FISH-00662

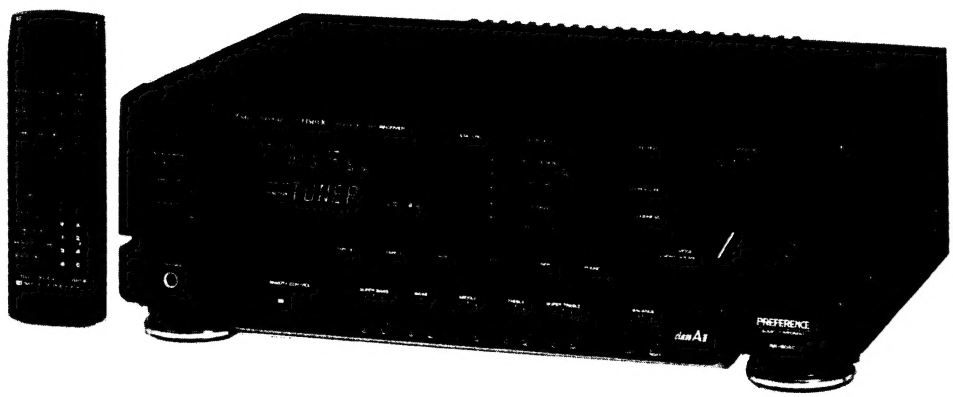
SERVICE MANUAL

FISHER

AM/FM STEREO RECEIVER WITH RCA-9050 WIRELESS REMOTE CONTROL

RS-9040

(EUROPE)



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SPECIFICATIONS

RCA-9050
Remote Control ..... 43-function, wireless remote control

POWER AMPLIFIER SECTION

Minimum RMS sine wave power per channel within the stated bandwidth at no more than the stated distortion and with an 8Ω load 80Watts
Power Bandwidth ..... 40Hz ~ 12.5kHz
Total Harmonic Distortion 0.05%
I.M.Distortion 0.05%
Speaker Damping ..... >20

PREAMPLIFIER SECTION

Frequency Response
- Phono (RIAA) ..... ±1dB
- AUX (20Hz ~ 20kHz) ..... ±1dB

Input Sensitivity and Impedance
- Phono 2.5mV/50kΩ
- Tape Monitor 1,2 ..... 150mV/50kΩ
- AUX/CD 150mV/50kΩ

Phono Maximum Input Capability 150mV

Graphic Equalizer
- 63Hz ..... ±10dB
- 250Hz ..... ±10dB
- 1kHz ..... ±10dB
- 4kHz ..... ±10dB
- 16kHz ..... ±10dB

Loudness Contour (100Hz/10kHz) ..... +8dB/+4dB

Hum and Noise (IHF Short Circuit, A Network)
- Phono 70dB
- Tape Monitor 1,2 ..... 90dB
- AUX/CD 90dB
- Source Direct (AUX) 95dB

FM SECTION

Usable Sensitivity
- Monaural 0.9μV/10.3dBf

46dB Quieting Sensitivity
- Monaural 3.8μV/22.8dBf
- Stereo 35μV/42.1dBf

Signal-to-Noise Ratio
- Monaural 70dB
- Stereo 65dB

– Specifications and design are subject to change without notice. –

REFERENCE No. WM-570409

SPECIFICATIONS (Continued)

Capture Ratio 1.5dB
Alternate Channel Selectivity(±400kHz) 55dB
Image Response Ratio 114dB
Spurious Response Ratio 87dB
IF Response Ratio 110dB
AM Suppression Ratio 55dB
Total Harmonic Distortion at 50dB Quieting
  Monaural 0.2%
  Stereo 0.3%
Total Harmonic Distortion at 65dBf
  Monaural (100Hz/1kHz/6kHz) 0.3/0.3/0.4%
  Stereo (100Hz/1kHz/6kHz) 0.4/0.4/0.5%
Stereo Separation
  (100Hz/1kHz/10kHz) 40/40/30dB
Sub-Carrier Rejection (19kHz/38kHz) 30/50dB
Audio Frequency Response
  (20Hz ~ 15kHz) ..... ±3.0dB

AM SECTION

Usable Sensitivity 600μV/m
Selectivity 35dB
Signal-to-Noise Ratio 55dB
Image Response Ratio 38dB
IF Response Ratio 60dB

GENERAL

Power Requirements ..... AC 220V
  (50Hz) 400 Watts
AC Outlet(Switched) 3
Dimensions (WxHxD) ..... 440 x 146 x 340mm
Weight (Approximate) 9.9kg

– Specifications and design are subject to change without notice. –

POWER AMPLIFIER ADJUSTMENT

BEFORE ADJUSTMENT

Unplug the AC power cord and set the front panel controls as follows:

- Power Switch to OFF position.
- Set the SPEAKERS Switch to the OFF position.
- Turn the MASTER VOLUME Control to minimum.
- IDLING CURRENT ADJUSTMENT VR101/VR102 (on the Main P.C.Board) setting to mechanical center position.
- Connect the AC power cord and Power Switch to the ON position.

IDLING CURRENT ADJUSTMENT

This adjustment is very sensitive to changes in ambient temperature. Allow set to operate for 2 minutes before attempting this alignment.

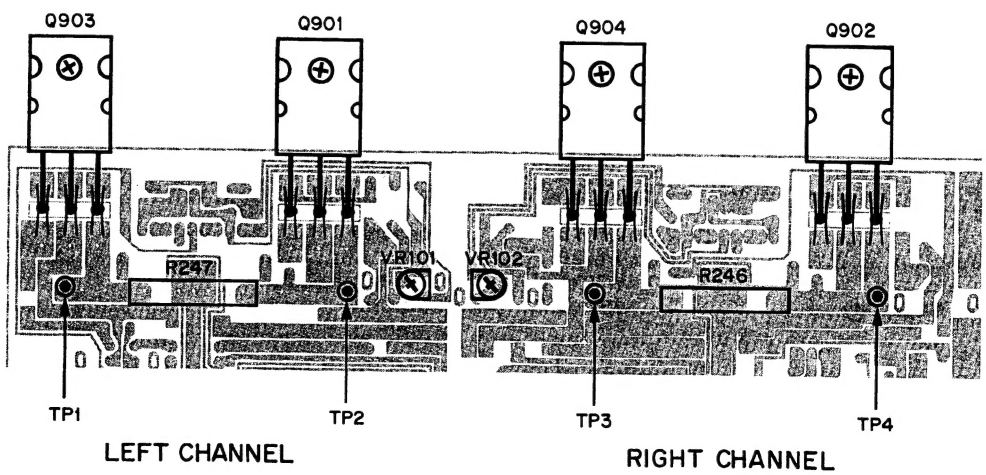
LEFT AMPLIFIER

1. Connect the DC Voltmeter between Pins TP1 and TP2 on the Main P.C.Board.
2. Adjust the VR101 for an indication of 4mV ±1mV on the DC Voltmeter.

RIGHT AMPLIFIER

1. Connect the DC Voltmeter between Pins TP3 and TP4 on the Main P.C.Board.
2. Adjust the VR102 for an indication of 4mV ±1mV on the DC Voltmeter.

ADJUSTMENT POINTS



CAUTION ON RF ADJUSTMENT

This model uses a microprocessor for memory preset control for the various bands.
This function has been used to preset frequency points for the different bands to permit adjustment and make it possible to check the function of the microprocessor. To use this supplemental function, press the POWER STANDBY button for approximately 5 seconds so that the frequency points show in the following table before beginning adjustment. The following table shows the initially preset frequencies.

Band	Memory					
	1	2	3	4	5	6
FM-1	87.5MHz	108MHz	88MHz	98MHz	108Hz	90MHz
AM	522kHz	1611kHz	603kHz	1404kHz	999kHz	801kHz

AM TUNER ALIGNMENT

AM ALIGNMENT – Band Selector switch to AM position.
Maintain generator output as low as possible for suitable indication.

Note: Perform this alignment after FM Tuner Alignment.

ITEM	GENERATOR	DIAL SETTING	INDICATOR	PROCEDURE
1. AM IF ALIGNMENT	Connect 450kHz Radio IF Genescope output to AM ANT and ground. Adjust output level to 100dBμV.	Position of non-interference Minimum Frequency.	Connect Radio IF Genescope input to TP404 and ground lead to chassis.	Adjust AM IFT (T405) for maximum gain and best symmetry. Keep signal low enough for noise on response.
2. AM RF FREQUENCY COVER ALIGNMENT (522kHz)	Do not connect generator.	Set Preset STATION button to "1" position. Set to 522kHz.	Connect DC Voltmeter to Pin B2 (Front End) and ground lead to chassis.	Adjust AM OSC Coil (T403) until DC Voltmeter reads 0.8V ~ 1.3V.
3. (1611kHz)	Same as above.	Change Preset STATION button to "2" position. Set to 1611kHz.	Same as above.	Check DC Voltmeter for Indication 7.0V ~ 8.5V.
Note: Repeat the adjustments in Items 2 and 3. Then, confirm that each voltage becomes 1.5V to 7.5V at receiving frequency of 522kHz to 1611kHz. **(See Table 1)**				
4. AM RF TRACKING ALIGNMENT (603kHz)	Connect Standard Loop Antenna to output terminal of AM RF Signal Generator. Place Loop Antenna 60cm away from Loop Antenna (Unit). Generator Setting to 603kHz or 1404kHz. Modulate with 400Hz (30 % modulation).	Set Preset STATION button to "3" position. Set to 603kHz.	Connect AC VTVM and Oscilloscope to Tape REC OUT Terminals.	Adjust AM Antenna Coil (T401) for maximum gain output.
5. (1404kHz)		Change Preset STATION button to "4" position. Set to 1404kHz.	Same as above.	Adjust AM Antenna Trimmer (TC401) for maximum gain output.
Note: Repeat the adjustments in Items 4 and 5. Then, confirm there is no tracking error.				
6. AM SIGNAL METER LEVEL SENSITIVITY ADJUSTMENT	Change generator setting to 999kHz and output level to 60dBμV/m.	Set Preset STATION button to "5" position. Set to 999kHz.	Front Panel TUNED Indicator Display.	Adjust VR401 until the TUNED Indicator partly light up.

Use a screwdriver with plastic grip for all adjustments.

AM Frequency Cover Range
Tuning Voltage Value at B2 (Front End)
(Table 1)

	522kHz	1611kHz
Minimum	0.8V	7.0V
Typical	1.5V	7.5V
Maximum	1.3V	8.5V

FM Frequency Cover Range
Tuning Voltage Value at B2 (Front End)
(Table 2)

	87.5MHz	108MHz
Minimum	1.4V	7.0V
Typical	1.5V	8.3V
Maximum	1.6V	9.0V

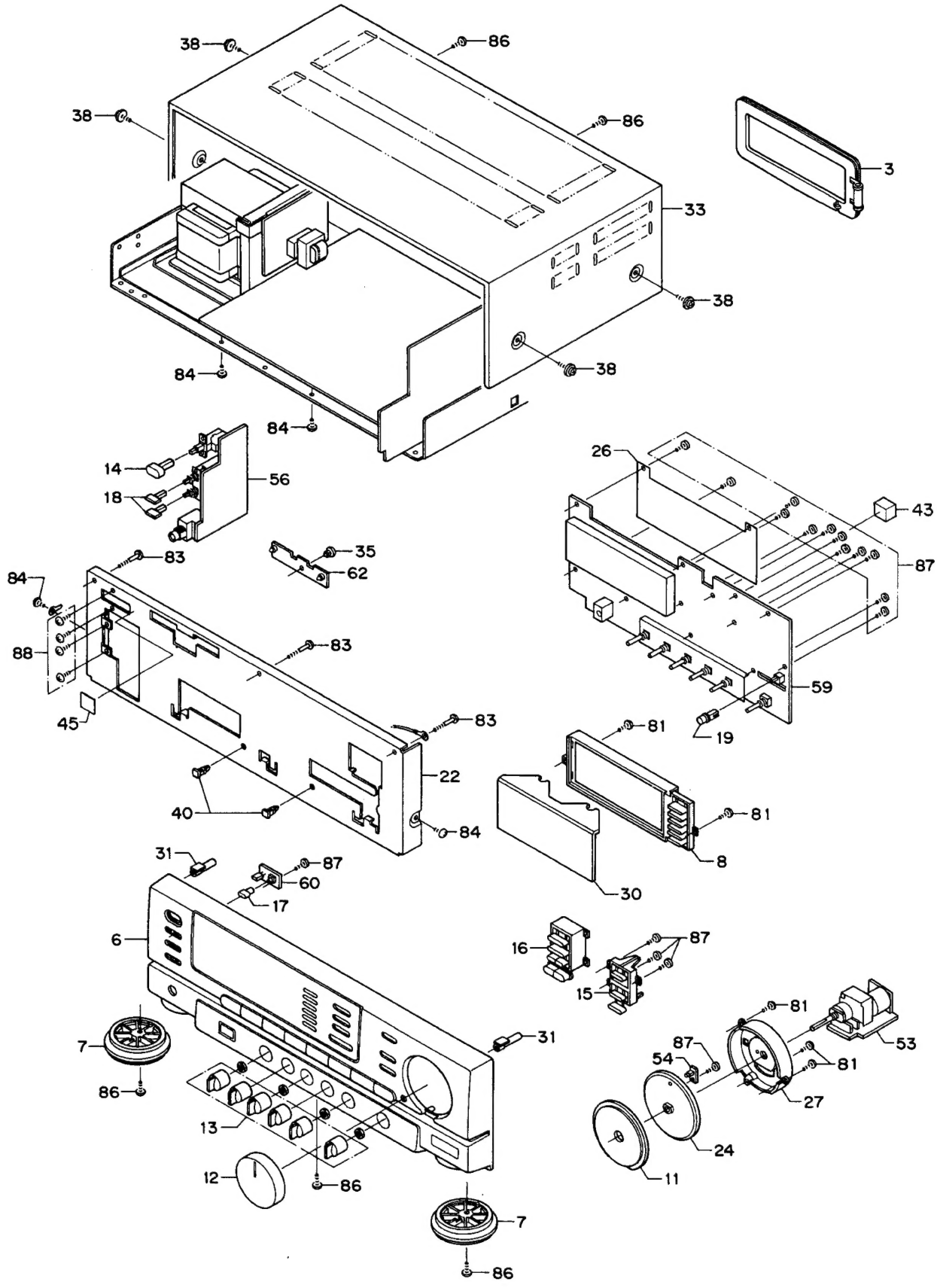
FM TUNER ALIGNMENT

FM ALIGNMENT – Band Selector switch to FM/ST(MUTE) position.

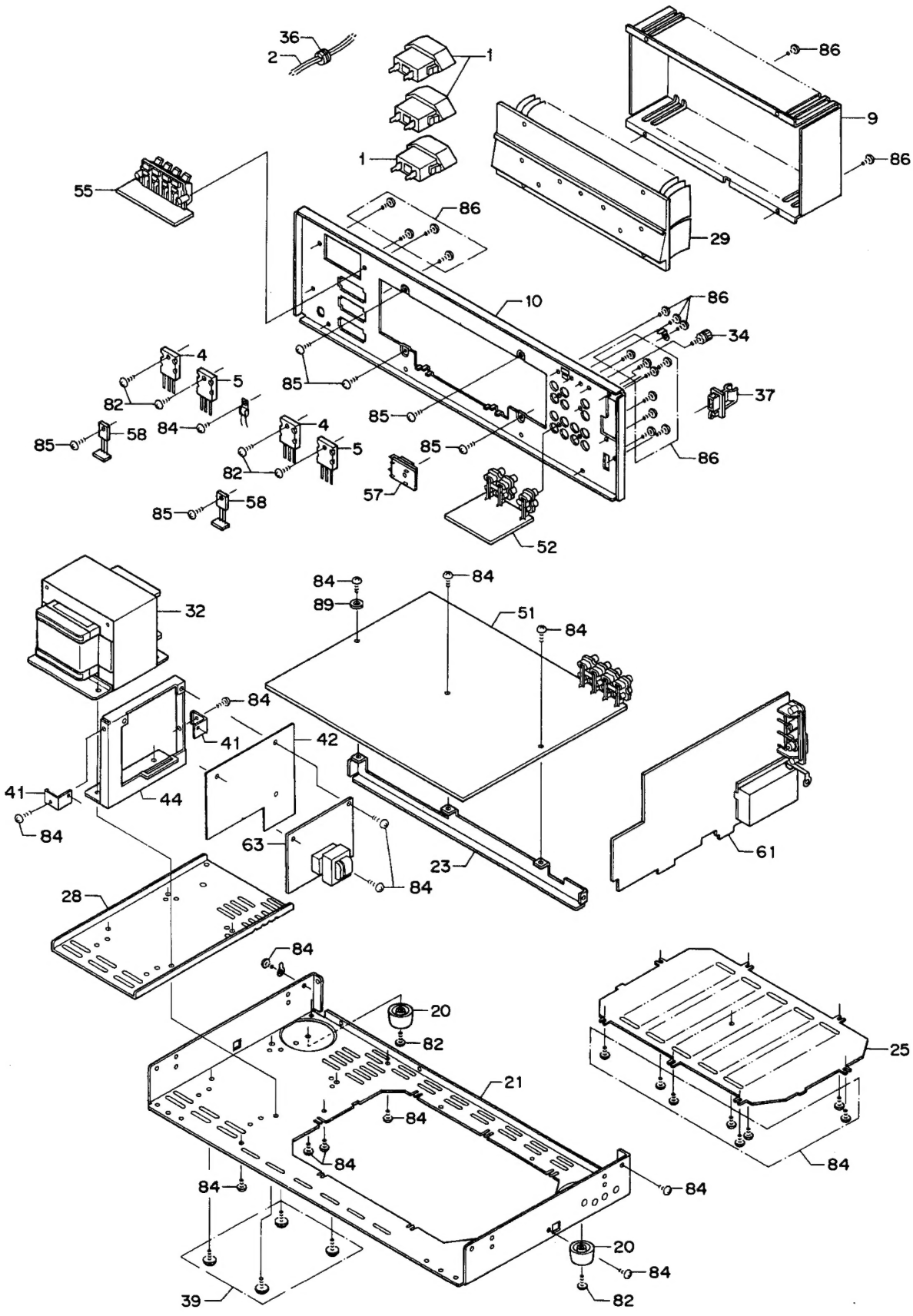
ITEM	GENERATOR	DIAL SETTING	INDICATOR	PROCEDURE
1. FM IF S-CURVE ALIGNMENT	Connect 10.7MHz Radio IF Genescope output to Pin IF (Front End) and ground lead to chassis. Use 5pF capacitor in series with generator output lead.	Position of non-interference Minimum Frequency.	Connect Radio IF Genescope input to TP403 and ground lead to chassis.	Adjust FM DET 1st Coil (T406) and FM DET 2nd (T407) so that S-wave from becomes symmetrical.
2. FM RF FREQUENCY COVER ALIGNMENT (87.5MHz)	Do not connect Generator.	Set Preset STATION button to "1" position. Set to 87.5MHz.	Connect DC Voltmeter to Pin B2 (Front End) and ground lead to chassis.	Adjust FM OSC Coil (L5) until DC Voltmeter reads 1.5V ±0.05V.
3. (108MHz)	Same as above.	Change Preset STATION button to "2" position. Set to 108MHz.	Same as above.	Check the DC Voltmeter reads 7V ~ 9V.
Note: Repeat the adjustments in Items 2 and 3. Then, confirm that each voltage becomes 1.5V to 8.3V at receiving frequency of 87.5MHz to 108MHz. **(See Table 2)**				
4. FM RF TRACKING ALIGNMENT (88MHz)	Connect FM RF Signal Generator through FM Dummy Antenna to FM Antenna terminals. Set Generator to 88MHz or 108MHz. Modulate with 1kHz to provide ±75kHz deviation. Set Generator output with attenuator as low as possible.	Set Preset STATION button to "3" position. Set to 88MHz.	Connect AC VTVM and Oscilloscope to Tape REC OUT Terminals.	Adjust FM Antenna Coil (L2) and FM RF Coil (L4) for maximum gain output. **Do not touch the Coil (L1 and L3)**
5. (108MHz)		Change Preset STATION button to "2" position. Set to 108MHz.	Same as above.	Adjust FM RF Trimmer (TC1, TC2) and FM IFT Coil (T1) for maximum gain output
Note: Repeat the adjustments in Items 4 and 5. Then, confirm there is no tracking error.				
6. DETECTOR ADJUSTMENT (MINIMUM T.H.D.)	Connect FM RF signal generator through FM Dummy Antenna to FM Antenna terminals. Set generator to 98MHz ±2kHz. Modulate with 1kHz to provide ±75kHz deviation. Setting generator with attenuator output level for 60dBμV.	Set MODE switch to FM MONO position and Preset STATION button to "4" posion. Set to 98MHz.	Connect DC Voltmeter to TP402 and ground Lead to chassis.	Adjust FM DET 1st Coil (T406) until DC Voltmeter reads 0V ±50mV.
			Connect Harmonic Distortion Analyzer to REC OUT Terminals.	Adjust FM DET 2nd Coil (T407) for minimum gain and best linearity.
Note: Repeat Step 1 (FM DET 1st Coil T406) and 2 (FM DET 2nd Coil T407) until optimum alignment is reached.				
7. FM STEREO SIGNAL SEPARATION CONTROL	Connect FM Stereo SG to FM Antenna terminals. Set generator output level to 60dBμV at 98MHz stereo signal (1kHz : 53.3%, Pilot : 9%) from LEFT channel.	Same as above Set MODE switch to FM ST/MUTE position.	Connect AC VTVM and Oscilloscope to RIGHT channel REC OUT Terminal.	Adjust VR403 for minimum output.
	Same as above for RIGHT channel.		Connect AC VTVM and Oscilloscope to LEFT channel REC OUT Terminal.	
8. FM SIGNAL METER LEVEL SENSITIVITY ADJUSTMENT	Set generator to 98MHz. Adjust attenuator output level to 16dBμV.	Same as above.	Front panel TUNED Indicator Display.	Set MODE Switch to ST(MUTE) Adjust VR402 until the TUNED Indicator partly light up.
Note: Decrease the output level of ATT and confirm that the wave form disappears. Increase the output level of ATT again and confirm that the input level meets the specifications sufficiently when the wave form has appeared.				

Use a screwdriver with plastic grip for all adjustments.

CABINET & CHASSIS EXPLODED VIEW (1)



CABINET & CHASSIS EXPLODED VIEW (2)



CABINET & CHASSIS PARTS LIST

Ref. No.	Part No.	Description	Q'ty
PACKAGE			
	620 000 0024	Bag Polyethylene	1
	620 204 0479	Outer Carton	1
	620 204 7997	Pad,Left	1
	620 204 8000	Pad,Right	1
	620 059 6596	Patching Sheet	1
	620 062 2127	Rubber Band	1
	620 148 5639	Poly Cover 100 x 190	1
	620 148 8012	Sheet Polyethylene	1
	620 152 7452	Serial No. Sheet	2
ACCESSORIES			
	620 204 4279	Assy,Poly Cover	1
	620 204 4637	Remocon,RCA-9050	1
	620 204 4187	Instruction Manual	1
	620 038 1673	FM Antenna Assy	1
	620 057 8783	Bag Fan	1
	620 062 0543	Serial No. Sheet	1
	620 112 8123	Holder Antenna	1
	620 152 2624	Certificate Card	1
CABINET			
	620 022 3454	Terminal Lug	2
	620 050 2887	Cramp Wire	1
	620 125 8424	Wire Band	14
	620 152 7452	Serial No. Sheet	1
1	⚠ 620 017 1212	AC Socket	3
2	⚠ 620 023 7550	Power Cord	1
3	620 028 2741	AM Loop Antenna	1
or	620 028 2734	AM Loop Antenna	1
or	620 028 2543	Loop Antenna	1
4	405 003 3902	TR 2SA1301-O [Q903]	1
or	405 031 2106	TR 2SA1301-R [Q903]	1
4	405 003 3902	TR 2SA1301-O [Q904]	1
or	405 031 2106	TR 2SA1301-R [Q904]	1
5	405 017 7705	TR 2SC3280-O [Q901]	1
or	405 033 3309	TR 2SC3280-R [Q901]	1
5	405 017 7705	TR 2SC3280-O [Q902]	1
or	405 033 3309	TR 2SC3280-R [Q902]	1
6	620 204 0455	Assy,Cabinet	1
7	620 198 6969	Assy,Foot	2
8	620 198 6228	Assy,Mount-M,Filter	1
9	620 204 0431	Cover,Heat Sink	1
10	620 204 0448	Panel,Rear	1
11	620 198 0813	Dial Scale	1
12	620 198 0769	Knob,Rotary,Volume	1
13	620 198 0776	Knob,Rotary,Equalizer	6
14	620 198 6938	Knob,Power	1
15	620 198 0721	Button,REC	1
16	620 198 0738	Button,Tuner	1
17	620 198 0745	Button,Stand BY	1
18	620 198 0752	Button,Push (Speaker)	2
19	620 199 3189	Button,Push (Mode)	1
20	620 198 6983	Foot	2
21	620 198 0929	Chassis	1
22	620 198 0943	Chassis,Front	1
23	620 198 0967	Bracket-E,PCB	1
24	620 198 0837	Mount-E,Indicator	1
25	620 198 0936	Plate,Bottom	1
26	620 202 0334	Plate,Sever	1
27	620 198 0844	Support,Shaft	1
28	620 198 0974	Reinforcement	1
29	620 192 3018	Heat Sink	1
30	620 204 5917	Filter,Clear	1
31	620 198 0912	Spacer,Cabinet	3
32	⚠ 620 204 0790	Power Trans,SEV,160VA	1
33	620 045 4711	Cover	1
34	620 051 2152	Screw Ground	1
35	620 052 1659	Rivet	1
or	620 191 2746	Rivet 3.5	1
36	620 053 2136	Bushing (Power Cord)	1
or	620 053 2129	Bushing (Power Cord)	1
37	620 122 2210	Holder Antenna	1
38	620 123 0284	SCR TPG BIN +M4.0X8	4
39	620 123 0833	SCR Bind TAP-B +M4X10	4
40	620 191 7987	Post Support P.C.B.	2
41	620 205 6937	Bracket-E,PCB	2
42	620 204 7805	Plate,Sever	1
43	620 052 6203	Cushion	1
44	620 191 5129	Bracket Mount PC	1
45	620 124 9606	Spacer	1
51	620 203 9718	Assy,PCB,Main	1
52	620 203 9725	Assy,PCB,Input	1
53	620 198 8949	Assy,PCB,Motor Volume	1
54	620 198 8963	Assy,PCB,Volume Indicator	1
55	620 203 9732	Assy,PCB,Speaker Out	1
56	620 203 9756	Assy,PCB,Power Switch	1
57	620 198 8994	Assy,PCB,R/C	1
58	620 198 9007	Assy,PCB,Bias	2
59	620 203 9763	Assy,PCB,Micom	1
60	620 198 9045	Assy,PCB,Power Indicator	1
61	620 203 9770	Assy,PCB,Tuner	1
62	620 198 9069	Assy,PCB,Lamp	1
63	620 198 9076	Assy,PCB,Power Supply	1
81	411 020 5706	SCR S-TPG BRZ 2.6X8	5
82	411 020 5904	SCR S-TPG BRZ 3X10	6
83	411 020 7304	SCR S-TPG BRZ 3X30	3
84	411 020 7700	SCR S-TPG BRZ 3X6	27
85	411 020 8004	SCR S-TPG BRZ 3X8	6
86	411 099 9803	SCR S-TPG BRZ 3X8	22
87	411 021 1202	SCR S-TPG BIN 2X8	18
88	411 003 8908	SCR PAN+SW 3X6	4
89	411 008 1300	WASHER SPR 3	1

NOTES:

1. Parts order must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

PRODUCT SAFETY NOTICE

Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

P.C.BOARD PARTS LIST

Ref. No.	Part No.	Description	Q'ty
ASSY,PCB MAIN			
51	620 203 9718	Assy,PCB Main	1
	620 017 2738	Fuse Clip	14
	620 021 6814	Pin 1P	4
	620 022 2587	EC Terminal 1P	1
	620 022 3492	Terminal Lug	1
	⚠ 423 005 0507	FUSE 250V T1A	4
	⚠ 423 006 4702	FUSE 250V T2.5A	1
	⚠ 423 007 4404	FUSE 250V T5A	2
	411 020 8004	SCR S-TPG BRZ 3X8	5
	620 201 6153	Jack,RCA PIN,4P,WH/RE	2
	⚠ 620 202 2130	Relay,Power,1P-1T,TV-5	1
	620 196 1645	Relay,T-Cross DC24V	1
	620 031 4763	Wire Wrap Terminal	10
	620 053 9241	Plate Heat Sink	5
	620 055 1045	Label Fuse	1
CN102	620 189 5551	Socket Jumper 7P	1
CN103	620 018 1655	Socket Jumper 2P	1
CN401	620 018 1679	Socket Jumper 4P	1
CN402	620 189 5544	Socket Jumper 6P	1
CN403	620 018 1662	Socket Jumper 3P	1
CN501	620 018 1686	Socket Jumper 8P	1
CN502	620 189 5551	Socket Jumper 7P	1
CN503	620 017 5029	Socket Jumper 9P	1
CN504	620 017 5029	Socket Jumper 9P	1
CN505	620 189 5551	Socket Jumper 7P	1
CN506	620 189 5551	Socket Jumper 7P	1
CN507	620 018 1662	Socket Jumper 3P	1
CN508	620 018 1662	Socket Jumper 3P	1
L101	620 027 1240	AF Coil	1
L102	620 027 1240	AF Coil	1
PC101	620 199 6166	Wire,Jumper,9P,L = 160	1
PC105	620 024 1236	Wire 2 Parallel	1
PC106	620 199 6173	Wire,Parallel,4P,L = 400	1
PC108	620 200 8028	Wire,Jumper,3P,L = 120	1
PC301	620 199 6159	Wire,Jumper,6P,L = 280	1
R246	620 004 3892	Cement 2X0.33	1
R247	620 004 3892	Cement 2X0.33	1
VR101	620 006 1346	Potentiometer 220-B	1
VR102	620 006 1346	Potentiometer 220-B	1
IC102	409 109 5105	IC LC7821	1
IC103	409 161 3101	IC TC9214P	1
IC104	409 161 3101	IC TC9214P	1
IC105	409 018 5104	IC LA6458SS	1
IC106	409 018 5203	IC LA6462D	1
IC107	409 079 9509	IC LA2500	1
IC108	409 079 9509	IC LA2500	1
IC109	409 018 5104	IC LA6458SS	1
IC110	409 114 4803	IC LB1641	1
Q101	405 018 0101	TR 2SC3331-T	1
or	405 018 0200	TR 2SC3331-U	1
Q102	405 018 0101	TR 2SC3331-T	1
or	405 018 0200	TR 2SC3331-U	1
Q103	405 018 0101	TR 2SC3331-T	1
or	405 018 0200	TR 2SC3331-U	1
Q104	405 018 0101	TR 2SC3331-T	1
or	405 018 0200	TR 2SC3331-U	1
Q105	405 018 0101	TR 2SC3331-T	1
or	405 018 0200	TR 2SC3331-U	1
Q106	405 018 0101	TR 2SC3331-T	1
or	405 018 0200	TR 2SC3331-U	1
Q107	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q108	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q109	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q110	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q111	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q112	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q113	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q114	405 039 5802	TR 2SC3792	1
Q115	405 039 5802	TR 2SC3792	1
Q116	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1

Ref. No.	Part No.	Description	Q'ty
Q117	405 016 8901	TR 2SC3066-F	1
or	405 016 9007	TR 2SC3066-G	1
Q118	405 016 8901	TR 2SC3066-F	1
or	405 016 9007	TR 2SC3066-G	1
Q119	405 002 9103	TR 2SA1209-S	1
or	405 002 9202	TR 2SA1209-T	1
Q120	405 002 9103	TR 2SA1209-S	1
or	405 002 9202	TR 2SA1209-T	1
Q123	405 016 3906	TR 2SC2911-S	1
or	405 016 4002	TR 2SC2911-T	1
Q124	405 016 3906	TR 2SC2911-S	1
or	405 016 4002	TR 2SC2911-T	1
Q125	405 017 2601	TR 2SC3117-S	1
or	405 017 2700	TR 2SC3117-T	1
Q126	405 017 2601	TR 2SC3117-S	1
or	405 017 2700	TR 2SC3117-T	1
Q127	405 003 1601	TR 2SA1249-S	1
or	405 003 1700	TR 2SA1249-T	1
Q128	405 003 1601	TR 2SA1249-S	1
or	405 003 1700	TR 2SA1249-T	1
Q129	405 004 4502	TR 2SA608-F-NP	1
or	405 004 5004	TR 2SA608-G-NP	1
Q130	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q131	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q132	405 004 4502	TR 2SA608-F-NP-AA	1
or	405 004 5004	TR 2SA608-G-NP	1
Q133	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q134	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q136	405 036 3108	TR 2SA1503	1
Q137	405 007 5100	TR 2SB560-E-MP	1
or	405 007 5308	TR 2SB560-F-MP	1
Q138	405 023 8307	TR 2SD438-E-MP	1
or	405 023 8505	TR 2SD438-F-MP	1
Q139	405 035 7107	TR 2SD1913-R	1
or	405 035 7206	TR 2SD1913-S	1
or	405 022 1200	TR 2SD1266-Q	1
or	405 022 1101	TR 2SD1266-P	1
or	405 033 5709	TR 2SD1406-O	1
or	405 022 5000	TR 2SD1406-Y	1
Q140	405 023 8307	TR 2SD438-E-MP	1
or	405 023 8505	TR 2SD438-F-MP	1
Q141	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q142	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q143	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q144	405 019 2708	TR 2SC536-F-NP-AA	1
or	405 019 3804	TR 2SC536-G-NP-AA	1
Q145	405 019 3804	TR 2SC536-G-NP-AA	1
or	405 019 4603	TR 2SC536-H-NP	1
D101	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D102	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D103	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D104	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D105	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D106	407 005 3805	DIODE DS442-BT	1
D107	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D108	407 005 3805	DIODE DS442-BT	1
D109	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D110	407 005 3805	DIODE DS442-BT	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
D111	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D112	407 005 3805	DIODE DS442-BT	1
D115	407 049 9504	ZENER DIODE GZA20Y-BT	1
or	407 049 9603	ZENER DIODE GZA20Z	1
or	407 049 9405	ZENER DIODE GZA20X	1
D116	407 049 7807	ZENER DIODE GZA18Y-BT	1
or	407 049 7708	ZENER DIODE GZA18X-BT	1
or	407 049 7906	ZENER DIODE GZA18Z	1
D117	407 049 7807	ZENER DIODE GZA18Y-BT	1
or	407 049 7708	ZENER DIODE GZA18X-BT	1
or	407 049 7906	ZENER DIODE GZA18Z	1
D118	407 049 7005	ZENER DIODE GZA15Y-BT	1
or	407 049 7104	ZENER DIODE GZA15Z-BT	1
or	407 049 6909	ZENER DIODE GZA15X	1
D119	407 049 6602	ZENER DIODE GZA13Y-BT	1
or	407 049 6701	ZENER DIODE GZA13Z-BT	1
or	407 049 6503	ZENER DIODE GZA13X-BT	1
D120	407 050 5502	ZENER DIODE GZA5.6Y-BT	1
D121	407 050 1306	ZENER DIODE GZA3.6Y	1
or	407 050 1207	ZENER DIODE GZA3.6X	1
or	407 050 1405	ZENER DIODE GZA3.6Z	1
D123	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D124	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D125	407 004 9600	DIODE DSF10TC-BT	1
D126	407 004 9600	DIODE DSF10TC-BT	1
D127	407 004 9600	DIODE DSF10TC-BT	1
D128	407 004 9600	DIODE DSF10TC-BT	1
D129	407 120 4909	DIODE DS5403	1
or	407 088 3105	DIODE DSC30TC-KD2	1
D130	407 120 4909	DIODE DS5403	1
or	407 088 3105	DIODE DSC30TC-KD2	1
D131	407 120 4909	DIODE DS5403	1
or	407 088 3105	DIODE DSC30TC-KD2	1
D132	407 120 4909	DIODE DS5403	1
or	407 088 3105	DIODE DSC30TC-KD2	1
D133	407 004 9600	DIODE DSF10TC-BT	1
D134	407 004 9600	DIODE DSF10TC-BT	1
D136	407 050 6301	ZENER DIODE GZA6.2Z-BT	1
D137	407 050 6202	ZENER DIODE GZA6.2Y-BT	1
or	407 050 6301	ZENER DIODE GZA6.2Z-BT	1
or	407 050 6103	ZENER DIODE GZA6.2X-BT	1
D138	407 050 2204	ZENER DIODE GZA30Y-BT	1
or	407 050 2303	ZENER DIODE GZA30Z-BT	1
or	407 050 2105	ZENER DIODE GZA30X-BT	1
D139	407 005 3805	DIODE DS442-BT	1
D140	407 005 3805	DIODE DS442-BT	1
D141	407 005 3805	DIODE DS442-BT	1
D142	407 050 3706	ZENER DIODE GZA4.7Y-BT	1
or	407 050 3805	ZENER DIODE GZA4.7Z	1
or	407 050 3607	ZENER DIODE GZA4.7X-BT	1
D143	407 008 0405	DIODE GMB01-BT	1
or	407 012 4208	DIODE 1SS131-T-77	1
D143	407 125 8209	DIODE HSS271	1
D144	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
D300	407 050 1306	ZENER DIODE GZA3.6Y	1
or	407 050 1207	ZENER DIODE GZA3.6X	1
or	407 050 1405	ZENER DIODE GZA3.6Z	1
TH101	407 109 6702	THERMISTOR 300D-5	1
TH102	407 109 6702	THERMISTOR 300D-5	1
C124	403 018 8509	CERAMIC 220P K 50V	1
C125	403 018 8509	CERAMIC 220P K 50V	1
C126	403 018 8509	CERAMIC 220P K 50V	1
C127	403 018 8509	CERAMIC 220P K 50V	1
C128	403 018 8509	CERAMIC 220P K 50V	1
C129	403 018 8509	CERAMIC 220P K 50V	1
C130	403 018 8509	CERAMIC 220P K 50V	1
C131	403 018 8509	CERAMIC 220P K 50V	1
C132	403 049 1708	ELECT 1U M 50V	1
C133	403 047 1502	ELECT 4.7U M 25V	1
C134	403 047 1502	ELECT 4.7U M 25V	1
C135	403 009 8105	CERAMIC 100P K 50V	1

Ref. No.	Part No.	Description	Q'ty
C136	403 009 8105	CERAMIC 100P K 50V	1
C137	403 047 1502	ELECT 4.7U M 25V	1
C138	403 047 1502	ELECT 4.7U M 25V	1
C139	403 018 8509	CERAMIC 220P K 50V	1
C140	403 018 8509	CERAMIC 220P K 50V	1
C141	403 061 9805	POLYESTER 0.047U J 50V	1
C142	403 061 9805	POLYESTER 0.047U J 50V	1
C143	403 047 1502	ELECT 4.7U M 25V	1
C144	403 047 1502	ELECT 4.7U M 25V	1
C145	403 018 8509	CERAMIC 220P K 50V	1
C146	403 018 8509	CERAMIC 220P K 50V	1
C147	403 009 8105	CERAMIC 100P K 50V	1
C148	403 009 8105	CERAMIC 100P K 50V	1
C149	403 008 5204	CERAMIC 10P D 50V	1
C150	403 008 5204	CERAMIC 10P D 50V	1
C151	403 047 1502	ELECT 4.7U M 25V	1
C152	403 047 1502	ELECT 4.7U M 25V	1
C153	403 050 1308	ELECT 2.2U M 50V	1
C154	403 050 1308	ELECT 2.2U M 50V	1
C155	403 048 7701	ELECT 0.47U M 50V	1
C156	403 048 7701	ELECT 0.47U M 50V	1
C157	403 063 7205	POLYESTER 0.082U J 50V	1
C158	403 063 7205	POLYESTER 0.082U J 50V	1
C159	403 003 2802	CERAMIC 0.022U K 25V	1
C160	403 003 2802	CERAMIC 0.022U K 25V	1
C161	403 073 8407	CERAMIC 4700P K 50V	1
C162	403 073 8407	CERAMIC 4700P K 50V	1
C163	403 003 0600	CERAMIC 0.018U K 25V	1
C164	403 003 0600	CERAMIC 0.018U K 25V	1
C165	403 075 5107	CERAMIC 8200P K 50V	1
C166	403 075 5107	CERAMIC 8200P K 50V	1
C167	403 073 8407	CERAMIC 4700P K 50V	1
C168	403 073 8407	CERAMIC 4700P K 50V	1
C169	403 070 8608	CERAMIC 1500P K 50V	1
C170	403 070 8608	CERAMIC 1500P K 50V	1
C171	403 074 9007	CERAMIC 680P K 50V	1
C172	403 074 9007	CERAMIC 680P K 50V	1
C173	403 047 4206	ELECT 47U M 25V	1
C174	403 047 4206	ELECT 47U M 25V	1
C175	403 044 0201	ELECT 47U M 16V	1
C176	403 044 0201	ELECT 47U M 16V	1
C177	403 044 0201	ELECT 47U M 16V	1
C178	403 044 0201	ELECT 47U M 16V	1
C179	403 048 7701	ELECT 0.47U M 50V	1
C180	403 047 1502	ELECT 4.7U M 25V	1
C181	403 047 1502	ELECT 4.7U M 25V	1
C182	403 018 8509	CERAMIC 220P K 50V	1
C183	403 018 8509	CERAMIC 220P K 50V	1
C184	403 038 2303	ELECT 100U M 6.3V	1
C185	403 038 2303	ELECT 100U M 6.3V	1
C186	403 009 8105	CERAMIC 100P K 50V	1
C187	403 009 8105	CERAMIC 100P K 50V	1
C188	403 009 8105	CERAMIC 100P K 50V	1
C189	403 009 8105	CERAMIC 100P K 50V	1
C190	403 047 1502	ELECT 4.7U M 25V	1
C191	403 047 1502	ELECT 4.7U M 25V	1
C192	403 074 2701	CERAMIC 0.047U Z 50V	1
C193	403 074 2701	CERAMIC 0.047U Z 50V	1
C194	403 047 4206	ELECT 47U M 25V	1
C195	403 047 4206	ELECT 47U M 25V	1
C196	403 047 1502	ELECT 4.7U M 25V	1
C197	403 047 1502	ELECT 4.7U M 25V	1
C198	403 018 8509	CERAMIC 220P K 50V	1
C199	403 018 8509	CERAMIC 220P K 50V	1
C200	403 038 9302	ELECT 33U M 6.3V	1
C201	403 038 9302	ELECT 33U M 6.3V	1
C202	403 018 8509	CERAMIC 220P K 50V	1
C203	403 018 8509	CERAMIC 220P K 50V	1
C204	403 018 8509	CERAMIC 220P K 50V	1
C205	403 018 8509	CERAMIC 220P K 50V	1
C206	403 035 2207	CERAMIC 15P K 500V	1
C207	403 035 2207	CERAMIC 15P K 500V	1
C212	403 049 1708	ELECT 1U M 50V	1
C213	403 049 1708	ELECT 1U M 50V	1
C214	403 075 6906	CERAMIC 100P K 500V	1
C215	403 075 6906	CERAMIC 100P K 500V	1
C216	403 075 6906	CERAMIC 100P K 500V	1
C217	403 075 6906	CERAMIC 100P K 500V	1
C218	403 049 1708	ELECT 1U M 50V	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description				Q'ty
C219	403 049 1708	ELECT	1U	M	50V	1
C220	403 049 1708	ELECT	1U	M	50V	1
C221	403 049 1708	ELECT	1U	M	50V	1
C224	403 074 2701	CERAMIC	0.047U	Z	50V	1
C225	403 074 2701	CERAMIC	0.047U	Z	50V	1
C226	403 038 2303	ELECT	100U	M	6.3V	1
C229	403 044 8207	ELECT	10U	M	25V	1
C230	403 136 1604	ELECT	47U	M	100V	1
C231	403 136 1604	ELECT	47U	M	100V	1
C232	403 136 1604	ELECT	47U	M	100V	1
C233	403 136 1604	ELECT	47U	M	100V	1
C234	404 043 0001	ELECT	6800U	M	63V	1
C235	404 043 0001	ELECT	6800U	M	63V	1
C236	403 052 9609	ELECT	1000U	M	35V	1
C237	403 052 9609	ELECT	1000U	M	35V	1
C238	403 053 6607	ELECT	33U	M	35V	1
C239	403 053 6607	ELECT	33U	M	35V	1
C240	403 045 7100	ELECT	22U	M	25V	1
C241	403 047 1502	ELECT	4.7U	M	25V	1
C242	403 045 9104	ELECT	220U	M	25V	1
C243	403 044 0201	ELECT	47U	M	16V	1
C244	403 053 6607	ELECT	33U	M	35V	1
C245	403 047 1502	ELECT	4.7U	M	25V	1
C246	403 042 3600	ELECT	100U	M	16V	1
C247	403 052 8008	ELECT	100U	M	35V	1
C248	403 047 1502	ELECT	4.7U	M	25V	1
C249	403 056 8608	POLYESTER	1000P	K	50V	1
C250	403 061 8709	POLYESTER	4700P	K	50V	1
C251	403 049 1708	ELECT	1U	M	50V	1
C252	403 049 1708	ELECT	1U	M	50V	1
C254	403 042 0302	ELECT	10U	M	16V	1
C255	403 047 1502	ELECT	4.7U	M	25V	1
C256	403 041 0303	ELECT	330U	M	10V	1
C257	403 074 2701	CERAMIC	0.047U	Z	50V	1
C258	403 040 4708	ELECT	220U	M	10V	1
C259	403 052 8107	ELECT	100U	M	35V	1
C261	404 012 7000	CERAMIC	0.01U	P	500V	1
C262	404 012 7000	CERAMIC	0.01U	P	500V	1
C265	403 015 1602	CERAMIC	2P	C	50V	1
C266	403 015 1602	CERAMIC	2P	C	50V	1
C267	403 035 2207	CERAMIC	15P	K	500V	1
C268	403 035 2207	CERAMIC	15P	K	500V	1
R125	401 024 7004	CARBON	1K	JA	1/6W	1
R126	401 024 7004	CARBON	1K	JA	1/6W	1
R127	401 024 7004	CARBON	1K	JA	1/6W	1
R128	401 024 7004	CARBON	1K	JA	1/6W	1
R129	401 024 7004	CARBON	1K	JA	1/6W	1
R130	401 024 7004	CARBON	1K	JA	1/6W	1
R131	401 024 7004	CARBON	1K	JA	1/6W	1
R132	401 024 7004	CARBON	1K	JA	1/6W	1
R133	401 024 7400	CARBON	10K	JA	1/6W	1
R134	401 024 7707	CARBON	100K	JA	1/6W	1
R135	401 024 7707	CARBON	100K	JA	1/6W	1
R136	401 024 7707	CARBON	100K	JA	1/6W	1
R137	401 024 7707	CARBON	100K	JA	1/6W	1
R138	401 020 2003	CARBON	4.7K	JA	1/4W	1
R139	401 026 9907	CARBON	4.7K	JA	1/6W	1
R140	401 020 2003	CARBON	4.7K	JA	1/4W	1
R141	401 020 2003	CARBON	4.7K	JA	1/4W	1
R142	401 025 8703	CARBON	220K	JA	1/6W	1
R143	401 025 8703	CARBON	220K	JA	1/6W	1
R144	401 027 2600	CARBON	5.6K	JA	1/6W	1
R145	401 027 2600	CARBON	5.6K	JA	1/6W	1
R146	401 025 8703	CARBON	220K	JA	1/6W	1
R147	401 025 8703	CARBON	220K	JA	1/6W	1
R148	401 026 9907	CARBON	4.7K	JA	1/6W	1
R149	401 026 9907	CARBON	4.7K	JA	1/6W	1
R150	401 026 9907	CARBON	4.7K	JA	1/6W	1
R151	401 026 9907	CARBON	4.7K	JA	1/6W	1
R156	401 025 8703	CARBON	220K	JA	1/6W	1
R157	401 025 8703	CARBON	220K	JA	1/6W	1
R158	401 025 2305	CARBON	150K	JA	1/6W	1
R159	401 025 2305	CARBON	150K	JA	1/6W	1
R160	401 024 7707	CARBON	100K	JA	1/6W	1
R161	401 024 7707	CARBON	100K	JA	1/6W	1
R162	401 026 7408	CARBON	39K	JA	1/6W	1
R163	401 026 7408	CARBON	39K	JA	1/6W	1
R164	401 026 4605	CARBON	33K	JA	1/6W	1
R165	401 026 4605	CARBON	33K	JA	1/6W	1

Ref. No.	Part No.	Description				Q'ty
R166	401 025 8208	CARBON	22K	JA	1/6W	1
R167	401 025 8208	CARBON	22K	JA	1/6W	1
R168	401 026 6609	CARBON	390	JA	1/6W	1
R169	401 026 6609	CARBON	390	JA	1/6W	1
R170	401 026 6609	CARBON	390	JA	1/6W	1
R171	401 026 6609	CARBON	390	JA	1/6W	1
R172	401 026 6609	CARBON	390	JA	1/6W	1
R173	401 026 6609	CARBON	390	JA	1/6W	1
R174	401 026 6609	CARBON	390	JA	1/6W	1
R175	401 026 6609	CARBON	390	JA	1/6W	1
R176	401 026 6609	CARBON	390	JA	1/6W	1
R177	401 026 6609	CARBON	390	JA	1/6W	1
R178	401 027 8602	CARBON	8.2K	JA	1/6W	1
R179	401 027 8602	CARBON	8.2K	JA	1/6W	1
R180	401 027 8602	CARBON	8.2K	JA	1/6W	1
R181	401 027 8602	CARBON	8.2K	JA	1/6W	1
R182	401 027 8602	CARBON	8.2K	JA	1/6W	1
R183	401 027 8602	CARBON	8.2K	JA	1/6W	1
R184	401 027 8602	CARBON	8.2K	JA	1/6W	1
R185	401 027 8602	CARBON	8.2K	JA	1/6W	1
R186	401 027 8602	CARBON	8.2K	JA	1/6W	1
R187	401 027 8602	CARBON	8.2K	JA	1/6W	1
R188	401 024 9305	CARBON	1.2K	JA	1/6W	1
R189	401 024 9305	CARBON	1.2K	JA	1/6W	1
R190	401 024 9305	CARBON	1.2K	JA	1/6W	1
R191	401 024 9305	CARBON	1.2K	JA	1/6W	1
R192	401 025 1605	CARBON	1.5K	JA	1/6W	1
R193	401 025 1605	CARBON	1.5K	JA	1/6W	1
R194	401 025 1605	CARBON	1.5K	JA	1/6W	1
R195	401 025 1605	CARBON	1.5K	JA	1/6W	1
R196	401 025 1605	CARBON	1.5K	JA	1/6W	1
R197	401 025 1605	CARBON	1.5K	JA	1/6W	1
R198	401 012 7009	CARBON	10K	JA	1/4W	1
R199	401 012 7009	CARBON	10K	JA	1/4W	1
R200	401 016 2604	CARBON	220	JA	1/4W	1
R201	401 016 2604	CARBON	220	JA	1/4W	1
R202	401 024 7707	CARBON	100K	JA	1/6W	1
R203	401 025 8208	CARBON	22K	JA	1/6W	1
R204	401 024 7004	CARBON	1K	JA	1/6W	1
R205	401 024 7004	CARBON	1K	JA	1/6W	1
R206	401 025 8703	CARBON	220K	JA	1/6W	1
R207	401 025 8703	CARBON	220K	JA	1/6W	1
R208	401 025 4200	CARBON	1.8K	JA	1/6W	1
R209	401 025 4200	CARBON	1.8K	JA	1/6W	1
R210	401 025 4606	CARBON	18K	JA	1/6W	1
R211	401 025 4606	CARBON	18K	JA	1/6W	1
R212	401 026 4308	CARBON	3.3K	JA	1/6W	1
R213	401 018 3807	CARBON	3.3K	JA	1/4W	1
R214	401 019 1000	CARBON	390	JA	1/4W	1
R215	401 019 1000	CARBON	390	JA	1/4W	1
R216	401 019 1901	CARBON	3.9K	JA	1/4W	1
R217	401 026 7002	CARBON	3.9K	JA	1/6W	1
R218	401 027 5908	CARBON	68K	JA	1/6W	1
R219	401 027 5908	CARBON	68K	JA	1/6W	1
R220	401 026 5800	CARBON	3.6K	JA	1/6W	1
R221	401 026 5800	CARBON	3.6K	JA	1/6W	1
R222	401 025 7805	CARBON	2.2K	JA	1/6W	1
R223	401 025 7805	CARBON	2.2K	JA	1/6W	1
R224	401 025 7805	CARBON	2.2K	JA	1/6W	1
R225	401 025 7805	CARBON	2.2K	JA	1/6W	1
R226	401 014 5201	CARBON	15K	JA	1/4W	1
R227	401 025 1902	CARBON	15K	JA	1/6W	1
R228	402 037 6909	FUSIBLE RES	82	JA	1/4W	1
or	402 015 9700	FUSIBLE RES	82	J-	1/4W	1
R229	402 037 6909	FUSIBLE RES	82	JA	1/4W	1
or	402 015 9700	FUSIBLE RES	82	J-	1/4W	1
R234	402 037 6909	FUSIBLE RES	82	JA	1/4W	1
or	402 015 9700	FUSIBLE RES	82	J-	1/4W	1
R235	402 037 6909	FUSIBLE RES	82	JA	1/4W	1
or	402 015 9700	FUSIBLE RES	82	J-	1/4W	1
R236	401 019 9600	CARBON	47	JA	1/4W	1
R237	401 019 9600	CARBON	47	JA	1/4W	1
R238	401 019 9600	CARBON	47	JA	1/4W	1
R239	401 019 9600	CARBON	47	JA	1/4W	1
R240	402 037 7203	FUSIBLE RES	330	JA	1/4W	1
or	402 015 8901	FUSIBLE RES	330	J-	1/4W	1
R241	402 037 7203	FUSIBLE RES	330	JA	1/4W	1
or	402 015 8901	FUSIBLE RES	330	J-	1/4W	1
R242	402 037 7104	FUSIBLE RES	2.2	JA	1/4W	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
or	402 015 8406	FUSIBLE RES 2.2 J- 1/4W	1
R243	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
or	402 015 8406	FUSIBLE RES 2.2 J- 1/4W	1
R244	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
or	402 015 8406	FUSIBLE RES 2.2 J- 1/4W	1
R245	402 037 7104	FUSIBLE RES 2.2 JA 1/4W	1
or	402 015 8406	FUSIBLE RES 2.2 J- 1/4W	1
R252	401 024 6700	CARBON 100 JA 1/6W	1
R253	401 024 6700	CARBON 100 JA 1/6W	1
R256	401 026 3905	CARBON 330 JA 1/6W	1
R257	401 026 3905	CARBON 330 JA 1/6W	1
R258	401 024 7024	CARBON 1K JA 1/6W	1
R259	401 024 7024	CARBON 1K JA 1/6W	1
R260	401 024 7024	CARBON 1K JA 1/6W	1
R261	401 024 7024	CARBON 1K JA 1/6W	1
R270	401 022 4104	CARBON 68K JA 1/4W	1
R271	401 027 5908	CARBON 68K JA 1/6W	1
R272	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
or	402 015 9205	FUSIBLE RES 47 J- 1/4W	1
R273	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
or	402 015 9205	FUSIBLE RES 47 J- 1/4W	1
R274	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
or	402 015 9205	FUSIBLE RES 47 J- 1/4W	1
R275	402 037 7005	FUSIBLE RES 47 JA 1/4W	1
or	402 015 9205	FUSIBLE RES 47 J- 1/4W	1
R276	401 019 3044	CARBON 39K JA 1/4W	1
R277	401 019 3044	CARBON 39K JA 1/4W	1
R278	401 019 3044	CARBON 39K JA 1/4W	1
R279	401 019 3044	CARBON 39K JA 1/4W	1
R280	402 039 8604	OXIDE-MT 4.7K JB 1W	1
or	401 062 2405	OXIDE-MT 4.7K JB 1W	1
R281	401 025 8208	CARBON 22K JA 1/6W	1
R282	401 025 8208	CARBON 22K JA 1/6W	1
R283	401 024 7400	CARBON 10K JA 1/6W	1
R284	401 025 7805	CARBON 2.2K JA 1/6W	1
R285	401 026 1000	CARBON 2.7K JA 1/6W	1
R286	401 019 9600	CARBON 47 JA 1/4W	1
R287	401 019 9600	CARBON 47 JA 1/4W	1
R288	402 039 5900	OXIDE-MT 10 JB 2W	1
or	401 064 6203	OXIDE-MT 10 JB 2W	1
R289	402 039 5900	OXIDE-MT 10 JB 2W	1
or	401 064 6203	OXIDE-MT 10 JB 2W	1
R290	401 026 7408	CARBON 39K JA 1/6W	1
R291	401 026 7408	CARBON 39K JA 1/6W	1
R292	401 012 7009	CARBON 10K JA 1/4W	1
R293	401 012 7009	CARBON 10K JA 1/4W	1
R298	401 026 7002	CARBON 3.9K JA 1/6W	1
R300	401 027 2303	CARBON 560 JA 1/6W	1
R301	401 027 2303	CARBON 560 JA 1/6W	1
R302	401 026 1307	CARBON 27K JA 1/6W	1
R303	401 026 1307	CARBON 27K JA 1/6W	1
R304	401 024 6700	CARBON 100 JA 1/6W	1
R305	401 024 6700	CARBON 100 JA 1/6W	1
R306	401 027 0309	CARBON 47K JA 1/6W	1
R307	401 027 0309	CARBON 47K JA 1/6W	1
R308	401 018 2800	CARBON 330 JA 1/4W	1
R309	401 018 2800	CARBON 330 JA 1/4W	1
R310	401 026 4308	CARBON 3.3K JA 1/6W	1
R311	401 026 4308	CARBON 3.3K JA 1/6W	1
R312	401 018 3807	CARBON 3.3K JA 1/4W	1
R313	401 026 4308	CARBON 3.3K JA 1/6W	1
R314	401 018 2800	CARBON 330 JA 1/4W	1
R315	402 040 6002	OXIDE-MT 2.7K JB 1/2W	1
R316	402 040 0000	OXIDE-MT 56 JB 1W	1
or	401 062 5208	OXIDE-MT 56 JB 1W	1
R317	402 040 0000	OXIDE-MT 56 JB 1W	1
or	401 062 5208	OXIDE-MT 56 JB 1W	1
R318	402 054 8207	OXIDE-MT 1.2K JB 2W	1
or	401 154 6106	OXIDE-MT 1.2K JB 2W	1
R319	402 054 8207	OXIDE-MT 1.2K JB 2W	1
or	401 154 6106	OXIDE-MT 1.2K JB 2W	1
R320	402 040 3506	OXIDE-MT 47 JB 1/2W	1
or	401 056 2909	OXIDE-MT 47 JB 1/2W	1
R321	402 040 3506	OXIDE-MT 47 JB 1/2W	1
or	401 056 2909	OXIDE-MT 47 JB 1/2W	1
R322	401 023 1706	CARBON 820 JA 1/4W	1
R323	401 023 1706	CARBON 820 JA 1/4W	1
R324	402 040 2400	OXIDE-MT 47 JB 2W	1
or	401 068 2508	OXIDE-MT 47 JB 2W	1

Ref. No.	Part No.	Description	Q'ty
R325	401 019 1000	CARBON 390 JA 1/4W	1
R326	402 039 9700	OXIDE-MT 100 JB 1W	1
or	401 058 2600	OXIDE-MT 100 JB 1W	1
R327	401 023 1706	CARBON 820 JA 1/4W	1
R328	402 040 6200	OXIDE-MT 100 JB 1/2W	1
or	401 054 8002	OXIDE-MT 100 JB 1/2W	1
R329	401 017 1804	CARBON 2.7K JA 1/4W	1
R330	401 012 7009	CARBON 10K JA 1/4W	1
R331	401 026 4308	CARBON 3.3K JA 1/6W	1
R332	401 012 4503	CARBON 100 JA 1/4W	1
R333	401 024 7004	CARBON 1K JA 1/6W	1
R334	401 024 7004	CARBON 1K JA 1/6W	1
R335	401 024 7004	CARBON 1K JA 1/6W	1
R336	401 024 7004	CARBON 1K JA 1/6W	1
R337	401 024 7004	CARBON 1K JA 1/6W	1
R338	401 024 7004	CARBON 1K JA 1/6W	1
R339	401 018 2800	CARBON 330 JA 1/4W	1
R340	401 018 2800	CARBON 330 JA 1/4W	1
R341	401 024 7707	CARBON 100K JA 1/6W	1
R342	401 020 0801	CARBON 470 JA 1/4W	1
R343	401 020 0801	CARBON 470 JA 1/4W	1
R344	401 126 9708	OXIDE-MT 22 JB 1/2W	1
or	401 126 9609	OXIDE-MT 22 JB 1/2W	1
R345	401 018 4903	CARBON 33K JA 1/4W	1
R346	401 024 7707	CARBON 100K JA 1/6W	1
R347	401 024 7707	CARBON 100K JA 1/6W	1
R348	401 024 7707	CARBON 100K JA 1/6W	1
R349	401 012 8105	CARBON 100K JA 1/4W	1
R350	401 012 8105	CARBON 100K JA 1/4W	1
R353	401 018 4903	CARBON 33K JA 1/4W	1
ASSY,PCB,INPUT			
52	620 203 9725	Assy,PCB,Input	1
	620 201 6146	Jack,RCA PIN,2P,WH/RE	1
	620 201 6153	Jack,RCA PIN,4P,WH/RE	1
IC101	409 057 4403	IC UPC4570C	1
C101	403 018 8509	CERAMIC 220P K 50V	1
C102	403 018 8509	CERAMIC 220P K 50V	1
C103	403 047 1502	ELECT 4.7U M 25V	1
C104	403 047 1502	ELECT 4.7U M 25V	1
C105	403 018 8509	CERAMIC 220P K 50V	1
C106	403 018 8509	CERAMIC 220P K 50V	1
C107	403 039 2906	ELECT 47U M 6.3V	1
C108	403 039 2906	ELECT 47U M 6.3V	1
C109	403 009 8105	CERAMIC 100P K 50V	1
C110	403 009 8105	CERAMIC 100P K 50V	1
C111	403 059 0104	POLYESTER 0.018U K 50V	1
C112	403 059 0104	POLYESTER 0.018U K 50V	1
C113	403 061 8709	POLYESTER 4700P K 50V	1
C114	403 061 8709	POLYESTER 4700P K 50V	1
C115	403 047 1502	ELECT 4.7U M 25V	1
C116	403 047 1502	ELECT 4.7U M 25V	1
C117	403 047 4206	ELECT 47U M 25V	1
C118	403 047 4206	ELECT 47U M 25V	1
C119	403 018 8509	CERAMIC 220P K 50V	1
C120	403 018 8509	CERAMIC 220P K 50V	1
C121	403 018 8509	CERAMIC 220P K 50V	1
C122	403 018 8509	CERAMIC 220P K 50V	1
C123	403 074 2701	CERAMIC 0.047U Z 50V	1
R101	401 025 7805	CARBON 2.2K JA 1/6W	1
R102	401 025 7805	CARBON 2.2K JA 1/6W	1
R103	401 024 7707	CARBON 100K JA 1/6W	1
R104	401 024 7707	CARBON 100K JA 1/6W	1
R105	401 024 7707	CARBON 100K JA 1/6W	1
R106	401 024 7707	CARBON 100K JA 1/6W	1
R107	401 026 0607	CARBON 270 JA 1/6W	1
R108	401 026 0607	CARBON 270 JA 1/6W	1
R109	401 025 8703	CARBON 220K JA 1/6W	1
R110	401 025 8703	CARBON 220K JA 1/6W	1
R111	401 025 1902	CARBON 15K JA 1/6W	1
R112	401 025 1902	CARBON 15K JA 1/6W	1
R113	401 024 7707	CARBON 100K JA 1/6W	1
R114	401 024 7707	CARBON 100K JA 1/6W	1
R115	401 024 7004	CARBON 1K JA 1/6W	1
R116	401 024 7004	CARBON 1K JA 1/6W	1
R117	401 024 7004	CARBON 1K JA 1/6W	1
R118	401 024 7004	CARBON 1K JA 1/6W	1
R121	401 024 7004	CARBON 1K JA 1/6W	1
R122	401 024 7004	CARBON 1K JA 1/6W	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
ASSY,PCB,MOTOR VOLUME			
53	620 198 8949	Assy,PCB,Motor Volume	1
PC102	620 199 5992	Wire,Jumper,7P,L = 150	1
PC103	620 199 5879	Wire,Jumper,2P,L = 190	1
VR601	620 199 4520	VR,Rotary,2X100KA,Motor	1
R601	401 019 1000	CARBON 390 JA 1/4W	1
ASSY,PCB,VOLUME INDICATOR			
54	620 198 8963	Assy,PCB,Volume Indicator	1
D601	407 065 5009	LED SLP-190B-51	1
ASSY,PCB,SPEAKER OUT			
55	620 203 9732	Assy,PCB,Speaker Out	1
	620 185 1953	Push Terminal 8P	1
C601	403 069 0705	CERAMIC 1000P K 50V	1
C602	403 069 0705	CERAMIC 1000P K 50V	1
C603	403 069 0705	CERAMIC 1000P K 50V	1
C604	403 069 0705	CERAMIC 1000P K 50V	1
ASSY,PCB,POWER SWITCH			
56	620 203 9756	Assy,PCB,Power Switch	1
⚠	620 015 2341	Switch Push Power	1
	620 185 1946	Jack 3P	1
	620 204 0776	Switch,Push,2K-4P-2T	1
	620 031 4763	Wire Wrap Terminal	2
PC107	620 199 6180	Wire,Parallel,6P,L = 240	1
W602	620 020 5887	Connector 1P Assy	1
C607	403 074 2701	CERAMIC 0.047U Z 50V	1
R602	402 040 1601	OXIDE-MT 560 JB 2W	1
R603	402 040 1601	OXIDE-MT 560 JB 2W	1
R604	401 017 0807	CARBON 270 JA 1/4W	1
R605	401 017 0807	CARBON 270 JA 1/4W	1
R606	401 017 0807	CARBON 270 JA 1/4W	1
R607	401 017 0807	CARBON 270 JA 1/4W	1
ASSY,PCB,R/C			
57	620 198 8994	Assy,PCB,R/C	1
	620 021 1970	Plug 2P	1
	620 021 5930	Plug 4P	1
	620 187 0244	Bracket Connect PC	1
ASSY,PCB,BIAS			
58	620 198 9007	Assy,PCB,Bias	2
PC110	620 190 7827	Wire 3S Parallel	1
Q601	405 022 8001	TR 2SD1682-S	1
or	405 022 8209	TR 2SD1682-T	1
ASSY,PCB,MICOM			
59	620 203 9763	Assy,PCB,Micom	1
	620 199 7354	Shield,Plate	1
	620 202 0648	Cushion,Rubber	3
CX501	620 026 9070	CSA 4.19M Resonator	1
FL501	620 182 6609	Digitron BG-562GK	1
PC501	620 199 6067	Wire,Jumper,8P,L = 200	1
PC502	620 199 6043	Wire,Jumper,7P,L = 200	1
PC503	620 200 7533	Wire,Jumper,9P,L = 200	1
PC504	620 200 7533	Wire,Jumper,9P,L = 200	1
PC505	620 199 6043	Wire,Jumper,7P,L = 200	1
PC506	620 199 6043	Wire,Jumper,7P,L = 200	1
PC507	620 199 5961	Wire,Jumper,3P,L = 200	1
PC508	620 199 5978	Wire,Jumper,3P,L = 210	1
PC509	620 199 6135	Wire,Jumper,3P,L = 160	1
RB501	620 004 5513	Resistor 10KX7	1
RB502	620 004 5506	Resistor 10KX6	1
SW501	620 016 7796	Tact Switch	1
SW502	620 016 7796	Tact Switch	1
SW503	620 016 7796	Tact Switch	1
SW504	620 016 7796	Tact Switch	1
SW505	620 016 7796	Tact Switch	1
SW506	620 016 7796	Tact Switch	1
SW507	620 016 7796	Tact Switch	1
SW508	620 016 7796	Tact Switch	1
SW509	620 016 7796	Tact Switch	1
SW510	620 016 7796	Tact Switch	1
SW511	620 016 7796	Tact Switch	1
SW512	620 016 7796	Tact Switch	1
SW513	620 016 7796	Tact Switch	1
SW514	620 016 7796	Tact Switch	1
SW515	620 016 7796	Tact Switch	1

Ref. No.	Part No.	Description	Q'ty
SW516	620 016 7796	Tact Switch	1
SW517	620 016 7796	Tact Switch	1
SW518	620 016 7796	Tact Switch	1
SW519	620 016 7796	Tact Switch	1
SW520	620 016 7796	Tact Switch	1
SW521	620 016 7796	Tact Switch	1
SW523	620 016 6904	Push Switch 1 Key	1
VR501	620 199 4537	VR,Rotary,200KW	1
VR502	620 196 2352	VR,Rotary 2X250KSW	1
VR503	620 196 2352	VR,Rotary 2X250KSW	1
VR504	620 196 2352	VR,Rotary 2X250KSW	1
VR505	620 196 2352	VR,Rotary 2X250KSW	1
VR506	620 196 2352	VR,Rotary 2X250KSW	1
W501	620 021 0324	Connector 1P Assy	1
IC501	410 084 9309	IC TMP47C870N-4629	1
Q501	405 057 6300	TR 2SC4038-S-TL2	1
or	405 057 6409	TR 2SC4038-R-TL2	1
or	405 012 8608	TR 2SC2021-S	1
or	405 012 8509	TR 2SC2021-R	1
Q502	405 057 6300	TR 2SC4038-S-TL2	1
or	405 057 6409	TR 2SC4038-R-TL2	1
or	405 012 8608	TR 2SC2021-S	1
or	405 012 8509	TR 2SC2021-R	1
Q503	405 057 6300	TR 2SC4038-S-TL2	1
or	405 057 6409	TR 2SC4038-R-TL2	1
or	405 012 8608	TR 2SC2021-S	1
or	405 012 8509	TR 2SC2021-R	1
Q504	405 057 6300	TR 2SC4038-S-TL2	1
or	405 057 6409	TR 2SC4038-R-TL2	1
or	405 012 8608	TR 2SC2021-S	1
or	405 012 8509	TR 2SC2021-R	1
Q505	405 057 6300	TR 2SC4038-S-TL2	1
or	405 057 6409	TR 2SC4038-R-TL2	1
or	405 012 8608	TR 2SC2021-S	1
or	405 012 8509	TR 2SC2021-R	1
Q506	405 057 6300	TR 2SC4038-S-TL2	1
or	405 057 6409	TR 2SC4038-R-TL2	1
or	405 012 8608	TR 2SC2021-S	1
or	405 012 8509	TR 2SC2021-R	1
Q507	405 004 4502	TR 2SA608-F-NP	1
or	405 004 5004	TR 2SA608-G-NP	1
Q508	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q509	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q510	405 004 4502	TR 2SA608-F-NP	1
or	405 004 5004	TR 2SA608-G-NP	1
Q511	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q512	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q513	405 004 4502	TR 2SA608-F-NP	1
or	405 004 5004	TR 2SA608-G-NP	1
D501	407 008 0405	DIODE GMB01-BT	1
or	407 012 4208	DIODE 1SS131-T-77	1
D502	407 005 3805	DIODE DS442-BT	1
D503	407 008 0405	DIODE GMB01-BT	1
or	407 012 4208	DIODE 1SS131-T-77	1
D505	407 005 3805	DIODE DS442-BT	1
D507	407 005 3805	DIODE DS442-BT	1
D508	407 005 3805	DIODE DS442-BT	1
D509	407 005 3805	DIODE DS442-BT	1
D510	407 005 3805	DIODE DS442-BT	1
D511	407 005 3805	DIODE DS442-BT	1
D512	407 005 3805	DIODE DS442-BT	1
D513	407 005 3805	DIODE DS442-BT	1
D514	407 005 3805	DIODE DS442-BT	1
D515	407 005 3805	DIODE DS442-BT	1
D516	407 005 3805	DIODE DS442-BT	1
D517	407 005 3805	DIODE DS442-BT	1
D518	407 005 3805	DIODE DS442-BT	1
D520	407 005 3805	DIODE DS442	1
RC501	407 102 2800	SENSOR SBX1492-52	1
C501	404 039 4303	ELECT 2200U M ~ 10V	1
or	404 032 2207	ELECT 2200U M 10V	1
C502	404 039 4402	ELECT 100U M 10V	1
or	404 032 5802	ELECT 100U M 10V	1
C503	403 069 8404	CERAMIC 0.01U Z 50V	1
C504	403 069 1207	CERAMIC 1000P K 50V	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description	Q'ty
C505	403 022 5907	CERAMIC 33P J 50V	1
C506	403 022 5907	CERAMIC 33P J 50V	1
C507	403 067 5603	MT-COMPO 0.1U J 50V	1
C508	403 042 0302	ELECT 10U M 16V	1
C509	403 049 1708	ELECT 1U M 50V	1
C510	403 069 8404	CERAMIC 0.01U Z 50V	1
C511	403 038 7209	ELECT 220U M 6.3V	1
C512	403 069 1207	CERAMIC 1000P K 50V	1
C513	403 054 1304	ELECT 47U M 35V	1
C514	403 038 2402	ELECT 100U M 6.3V	1
R501	401 023 3700	CARBON 82K JA 1/4W	1
R502	401 023 3700	CARBON 82K JA 1/4W	1
R503	401 023 3700	CARBON 82K JA 1/4W	1
R504	401 023 3700	CARBON 82K JA 1/4W	1
R505	401 023 3700	CARBON 82K JA 1/4W	1
R506	401 023 3700	CARBON 82K JA 1/4W	1
R507	401 027 0309	CARBON 47K JA 1/6W	1
R508	401 020 2904	CARBON 47K JA 1/4W	1
R509	401 020 2904	CARBON 47K JA 1/4W	1
R510	401 025 7805	CARBON 2.2K JA 1/6W	1
R511	401 024 7004	CARBON 1K JA 1/6W	1
R512	401 012 7009	CARBON 10K JA 1/4W	1
R513	401 016 3809	CARBON 2.2K JA 1/4W	1
R514	401 016 3809	CARBON 2.2K JA 1/4W	1
R515	401 016 3809	CARBON 2.2K JA 1/4W	1
R516	401 016 3809	CARBON 2.2K JA 1/4W	1
R517	401 012 7009	CARBON 10K JA 1/4W	1
R518	401 027 0309	CARBON 47K JA 1/6W	1
R519	401 025 7805	CARBON 2.2K JA 1/6W	1
R520	401 013 9507	CARBON 1.3K JA 1/4W	1
R521	401 018 2800	CARBON 330 JA 1/4W	1
R522	401 018 3807	CARBON 3.3K JA 1/4W	1
R523	401 024 7004	CARBON 1K JA 1/6W	1
R524	401 027 0309	CARBON 47K JA 1/6W	1
R525	401 027 0507	CARBON 470K JA 1/6W	1
R526	401 024 7707	CARBON 100K JA 1/6W	1
R527	401 027 0309	CARBON 47K JA 1/6W	1
R528	401 027 5908	CARBON 68K JA 1/6W	1
R529	401 027 5908	CARBON 68K JA 1/6W	1
R530	401 024 7400	CARBON 10K JA 1/6W	1
R531	401 027 0309	CARBON 47K JA 1/6W	1
R532	401 024 7400	CARBON 10K JA 1/6W	1
R533	401 024 6700	CARBON 100 JA 1/6W	1
R534	401 025 7805	CARBON 2.2K JA 1/6W	1
R535	401 027 0309	CARBON 47K JA 1/6W	1
ASSY,PCB,POWER INDICATOR			
60	620 198 9045	Assy,PCB,Power Indicator	1
	620 016 7796	Tact Switch	1
D519	407 028 8504	LED SLP-173B (STOPPER)	1
ASSY,PCB,TUNER			
61	620 203 9770	Assy,PCB,Tuner	1
	620 021 6814	Pin 1P	8
	620 022 2921	ANT Terminal 3P	1
	620 190 0521	Cover Shield	1
	620 189 5872	Plate Sever	1
CF401	620 014 5664	Ceramic Filter	1
CF402	620 014 5664	Ceramic Filter	1
CF403	620 014 5879	Ceramic Filter 450kHz	1
CF404	620 014 5862	Ceramic Filter 450kHz	1
CF405	620 014 6258	Ceramic OSC	1
FE401	620 191 8632	FM Frontend 4EU AGC	1

(Component parts used in Front End are not serviceable and available.)

F401	620 026 9353	FTZ Antenna Filter	1
L401	620 197 9527	Inductor 470UH K	1
PC401	620 202 8330	Wire,Jumper,4P,L = 160	1
PC402	620 201 8096	Wire,Jumper,6P,L = 160	1
TC401	620 007 0867	Trimmer 10PF	1
T401	620 185 9041	MW Antenna Coil	1
or	620 028 1348	MW Antenna Coil	1
T403	620 190 3676	OSC Coil MW	1
or	620 185 9058	OSC Coil MW	1
or	620 028 7753	OSC Coil MW	1
T405	620 190 9227	IFT AM	1
or	620 186 0528	IFT AM	1
or	620 027 7006	IFT AM	1
T406	620 189 6008	IFT DET 10.7MHz 1st K	1
or	620 190 3652	FM DET Coil	1
or	620 188 9963	FM DET Coil	1
T407	620 189 6015	IFT DET 10.7MHz 2nd K	1
or	620 190 3669	FM DET Coil	1
or	620 188 9970	FM DET Coil	1
T408	620 026 4396	Anti Birdie Filter	1
VR401	620 006 1377	Potentiometer 10KB	1
VR402	620 006 1384	Potentiometer 220KB	1
VR403	620 006 1353	Potentiometer 100KB	1
X401	620 007 1338	Crystal 7.2MHz	1
or	620 007 1314	Crystal 7.2MHz	1
or	620 007 3226	Crystal 7.2MHz	1
IC401	409 073 9505	IC LA1266	1
IC402	409 017 1008	IC LA3401	1
IC403	409 066 7600	IC LM7001	1
Q401	405 027 0505	TR 2SK246-GR	1
Q402	405 016 0806	TR 2SC2839-E	1
Q406	405 004 4502	TR 2SA608-F-NP	1
or	405 004 5004	TR 2SA608-G-NP	1
Q409	405 003 7702	TR 2SA1346	1
Q411	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q413	405 027 8402	TR 2SK583	1
or	405 038 3809	TR 2SK669	1
Q414	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q415	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q416	405 019 2708	TR 2SC536-F-NP	1
or	405 019 3804	TR 2SC536-G-NP	1
Q417	405 004 4502	TR 2SA608-F-NP	1
or	405 004 5004	TR 2SA608-G-NP	1
Q419	405 021 0907	TR 2SD1012-H-SPA-AC	1

If necessary, replace both Diode D402, D403 (SVC321) together with new ones which have the equivalent characteristics.

D402	407 000 4708	VARACTOR DI SVC321C-2	1
or	407 000 4807	VARACTOR DI SVC321D-2	1
D403	407 000 4708	VARACTOR DI SVC321C-2	1
or	407 000 4807	VARACTOR DI SVC321D-2	1
D408	407 050 4802	ZENER DIODE GZA5.1Y-BT	1
D410	407 049 6008	ZENER DIODE GZA11Y-BT	1
or	407 049 5902	ZENER DIODE GZA11X	1
D412	407 125 8209	DIODE HSS271	1
or	407 012 4208	DIODE 1SS131-T-77	1
or	407 008 0405	DIODE GMB01-BT	1
C403	403 074 2701	CERAMIC 0.047U Z 50V	1
C404	403 026 5408	CERAMIC 47P K 50V	1
C406	403 074 2701	CERAMIC 0.047U Z 50V	1
C407	403 074 2701	CERAMIC 0.047U Z 50V	1
C408	403 069 8404	CERAMIC 0.01U Z 50V	1
C409	403 069 8404	CERAMIC 0.01U Z 50V	1
C410	403 042 3501	ELECT 100U M 16V	1
C411	403 069 8404	CERAMIC 0.01U Z 50V	1
C414	403 074 2701	CERAMIC 0.047U Z 50V	1
C415	403 074 2701	CERAMIC 0.047U Z 50V	1
C416	403 038 2303	ELECT 100U M 6.3V	1
C417	403 069 8404	CERAMIC 0.01U Z 50V	1
C418	403 069 8404	CERAMIC 0.01U Z 50V	1
C419	403 044 0201	ELECT 47U M 16V	1
C422	403 088 4104	STYRENE 430P J 50V	1
C423	403 019 0502	CERAMIC 24P J 50V	1
C425	403 042 0302	ELECT 10U M 16V	1
C426	403 047 1502	ELECT 4.7U M 25V	1
C427	403 050 7706	ELECT 3.3U M 50V	1
C428	403 047 1502	ELECT 4.7U M 25V	1
C429	403 049 1609	ELECT 1U M 50V	1
C430	403 069 8404	CERAMIC 0.01U Z 50V	1
C431	403 072 7906	CERAMIC 330P K 50V	1
C432	403 049 1609	ELECT 1U M 50V	1
C434	403 069 8404	CERAMIC 0.01U Z 50V	1
C435	403 060 8403	POLYESTER 0.033U K 50V	1
C436	403 039 2906	ELECT 47U M 6.3V	1
C437	403 073 8407	CERAMIC 4700P K 50V	1

P.C.BOARD PARTS LIST (Continued)

Ref. No.	Part No.	Description				Q'ty
C438	403 069 0705	CERAMIC	1000P	K	50V	1
C439	403 073 3006	CERAMIC	390P	K	50V	1
C440	403 075 0508	CERAMIC	6800P	K	50V	1
C441	403 073 6502	CERAMIC	470P	K	50V	1
C442	403 073 6502	CERAMIC	470P	K	50V	1
C443	403 067 7706	MT-COMPO	0.047U	J	50V	1
C444	403 069 8404	CERAMIC	0.01U	Z	50V	1
C445	403 049 1609	ELECT	1U	M	50V	1
C446	403 048 7602	ELECT	0.47U	M	50V	1
C447	403 049 1609	ELECT	1U	M	50V	1
C448	403 042 3600	ELECT	100U	M	16V	1
C449	403 069 8404	CERAMIC	0.01U	Z	50V	1
C450	403 042 0302	ELECT	10U	M	16V	1
C451	403 049 1609	ELECT	1U	M	50V	1
C452	403 049 1609	ELECT	1U	M	50V	1
C453	403 072 9603	CERAMIC	3300P	K	50V	1
C454	403 072 9603	CERAMIC	3300P	K	50V	1
C459	403 069 0705	CERAMIC	1000P	K	50V	1
C460	403 009 8105	CERAMIC	100P	K	50V	1
C461	403 069 8404	CERAMIC	0.01U	Z	50V	1
C464	403 049 1609	ELECT	1U	M	50V	1
C465	403 072 9603	CERAMIC	3300P	K	50V	1
C466	403 044 0201	ELECT	47U	M	16V	1
C467	403 069 8404	CERAMIC	0.01U	Z	50V	1
C468	403 038 7100	ELECT	220U	M	6.3V	1
C469	403 022 0902	CERAMIC	30P	J	50V	1
C470	403 022 0902	CERAMIC	30P	J	50V	1
C471	403 043 7003	ELECT	330U	M	16V	1
C472	403 069 8404	CERAMIC	0.01U	Z	50V	1
C474	403 074 2701	CERAMIC	0.047U	Z	50V	1
C476	403 028 8001	CERAMIC	56P	K	50V	1
C481	403 023 1700	CERAMIC	33P	K	50V	1
R401	401 016 3809	CARBON	2.2K	JA	1/4W	1
R403	401 024 7707	CARBON	100K	JA	1/6W	1
R405	401 024 7004	CARBON	1K	JA	1/6W	1
R406	401 024 8001	CARBON	1M	JA	1/6W	1
R407	401 026 6609	CARBON	390	JA	1/6W	1
R408	401 026 1000	CARBON	2.7K	JA	1/6W	1
R409	401 012 5708	CARBON	1K	JA	1/4W	1
R410	401 012 4503	CARBON	100	JA	1/4W	1
R411	401 026 3905	CARBON	330	JA	1/6W	1
R412	401 025 7805	CARBON	2.2K	JA	1/6W	1
R413	401 026 6609	CARBON	390	JA	1/6W	1
R414	401 026 6609	CARBON	390	JA	1/6W	1
R415	401 027 8305	CARBON	820	JA	1/6W	1
R416	401 023 3700	CARBON	82K	JA	1/4W	1
R417	401 026 7408	CARBON	39K	JA	1/6W	1
R418	401 027 0309	CARBON	47K	JA	1/6W	1
R419	401 023 3700	CARBON	82K	JA	1/4W	1
R421	401 012 4503	CARBON	100	JA	1/4W	1
R422	401 025 1902	CARBON	15K	JA	1/6W	1
R423	401 026 4308	CARBON	3.3K	JA	1/6W	1
R424	401 016 1508	CARBON	22	JA	1/4W	1
R425	401 025 8208	CARBON	22K	JA	1/6W	1
R426	401 016 3809	CARBON	2.2K	JA	1/4W	1
R427	401 026 9907	CARBON	4.7K	JA	1/6W	1
R434	401 024 7707	CARBON	100K	JA	1/6W	1
R435	401 016 3809	CARBON	2.2K	JA	1/4W	1
R436	401 024 7707	CARBON	100K	JA	1/6W	1
R437	401 027 0309	CARBON	47K	JA	1/6W	1
R438	401 025 8208	CARBON	22K	JA	1/6W	1
R439	401 026 9907	CARBON	4.7K	JA	1/6W	1
R440	401 025 8208	CARBON	22K	JA	1/6W	1
R446	401 026 4308	CARBON	3.3K	JA	1/6W	1
R448	401 027 5502	CARBON	6.8K	JA	1/6W	1
R449	401 025 7805	CARBON	2.2K	JA	1/6W	1
R450	401 024 8704	CARBON	110K	JA	1/6W	1
R451	401 024 8704	CARBON	110K	JA	1/6W	1
R452	401 025 4903	CARBON	180K	JA	1/6W	1
R453	401 025 4903	CARBON	180K	JA	1/6W	1
R454	401 025 7805	CARBON	2.2K	JA	1/6W	1
R455	401 025 7805	CARBON	2.2K	JA	1/6W	1
R456	401 024 7707	CARBON	100K	JA	1/6W	1
R457	401 024 7707	CARBON	100K	JA	1/6W	1
R458	401 024 7004	CARBON	1K	JA	1/6W	1
R459	401 024 7004	CARBON	1K	JA	1/6W	1
R460	401 026 4308	CARBON	3.3K	JA	1/6W	1
R461	401 026 4308	CARBON	3.3K	JA	1/6W	1
R462	401 014 6109	CARBON	150K	JA	1/4W	1
R463	401 027 2303	CARBON	560	JA	1/6W	1
R464	401 024 7707	CARBON	100K	JA	1/6W	1
R467	401 012 4503	CARBON	100	JA	1/4W	1
R468	401 026 4308	CARBON	3.3K	JA	1/6W	1
R469	401 024 7400	CARBON	10K	JA	1/6W	1
R471	401 019 9600	CARBON	47	JA	1/4W	1
R472	401 016 4806	CARBON	22K	JA	1/4W	1
R477	401 024 7004	CARBON	1K	JA	1/6W	1
R478	401 024 7400	CARBON	10K	JA	1/6W	1
R479	401 024 7400	CARBON	10K	JA	1/6W	1
R480	401 021 3009	CARBON	5.6K	JA	1/4W	1
R481	401 012 5708	CARBON	1K	JA	1/4W	1
R485	401 024 7400	CARBON	10K	JA	1/6W	1
R486	401 024 7400	CARBON	10K	JA	1/6W	1
R487	401 024 7400	CARBON	10K	JA	1/6W	1
R488	402 040 4909	OXIDE-MT	270	JB	1/2W	1
or	401 055 7004	OXIDE-MT	270	JB	1/2W	1
R490	401 024 7707	CARBON	100K	JA	1/6W	1
R491	401 023 2802	CARBON	8.2K	JA	1/4W	1
R492	401 012 7009	CARBON	10K	JA	1/4W	1
R493	401 026 9907	CARBON	4.7K	JA	1/6W	1
R495	401 012 4503	CARBON	100	JA	1/4W	1
R496	401 024 7004	CARBON	1K	JA	1/6W	1
ASSY,PCB,LAMP						
62	620 198 9069	Assy,PCB,Lamp				1
	620 030 8083	Lamp				2
	620 198 0875	Spacer				2
ASSY,PCB,POWER SUPPLY						
63	620 198 9076	Assy,PCB,Power Supply				1
	620 022 2587	EC Terminal 1P				2
	⚠ 620 191 2692	Power Trans				1
	411 020 8004	SCR S-TPG BRZ 3X8				1
	620 031 4763	Wire Wrap Terminal				5
	620 053 7247	Plate Heat Sink				1
Q701	405 022 8001	TR 2SD1682-S				1
or	405 022 8209	TR 2SD1682-T				1
D701	407 088 6502	DIODE MPG06D-PKG3				1
D702	407 088 6502	DIODE MPG06D-PKG3				1
D703	407 088 6502	DIODE MPG06D-PKG3				1
D704	407 088 6502	DIODE MPG06D-PKG3				1
D705	407 049 6305	ZENER DIODE GZA12Y-BT				1
C701	403 143 2809	CERAMIC	0.047U	Z	50V	1
C702	403 143 2809	CERAMIC	0.047U	Z	50V	1
C703	403 143 2809	CERAMIC	0.047U	Z	50V	1
C704	403 143 2809	CERAMIC	0.047U	Z	50V	1
C705	403 042 0302	ELECT	10U	M	16V	1
C706	403 054 2608	ELECT	470U	M	35V	1
R701	401 012 5708	CARBON	1K	JA	1/4W	1

NOTES:

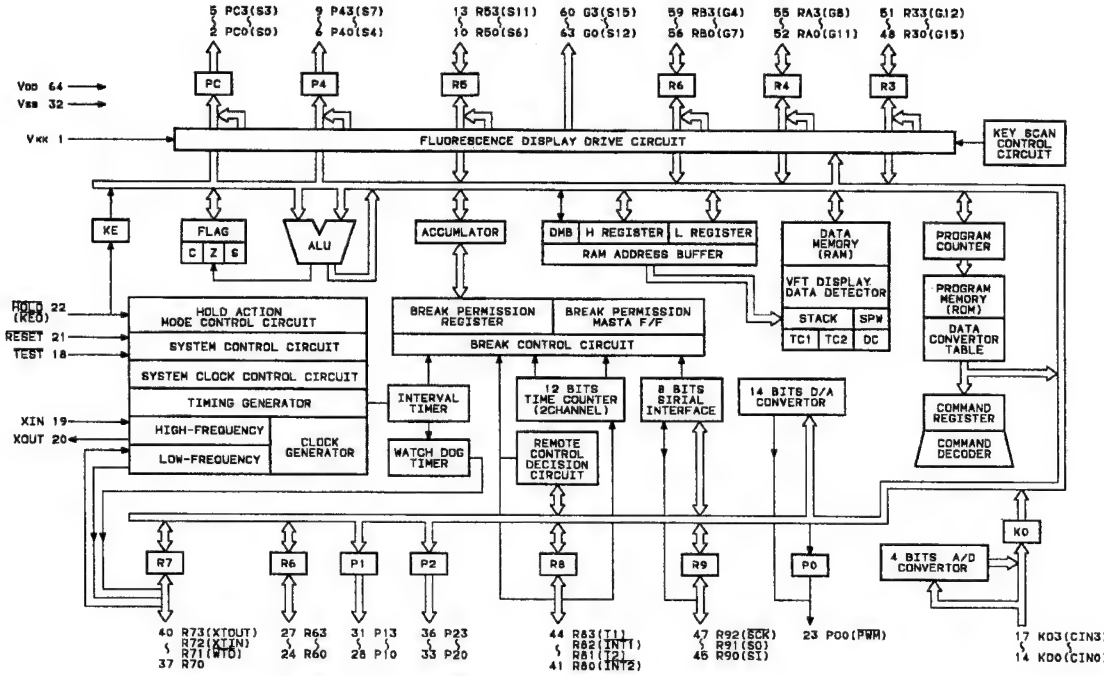
1. Parts order must contain Model Number, Part Number and Description.
2. Ordering quantity of screws and resistors must be multiple of 10 pcs.

PRODUCT SAFETY NOTICE

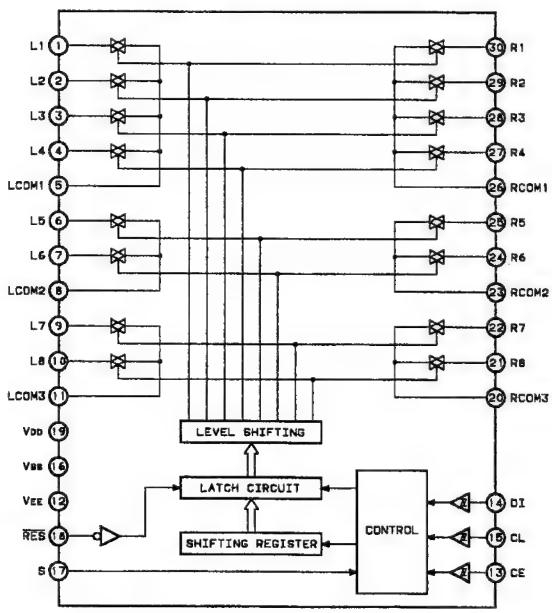
Each precaution in this manual should be followed during servicing. Components identified with the IEC symbol ⚠ in the parts list and the schematic diagram designate components in which safety can be of special significance. When replacing a component identified with ⚠, use only the replacement parts designated, or parts with the same ratings of resistance, wattage or voltage that are designated in the parts list in this manual. Leakage-current or resistance measurements must be made to determine that exposed parts are acceptably insulated from the supply circuit before returning the product to the customer.

IC BLOCK DIAGRAM

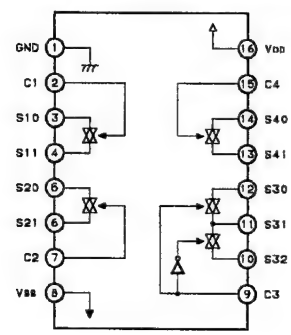
TMP47C870N-4629 BLOCK DIAGRAM



LC7821 BLOCK DIAGRAM

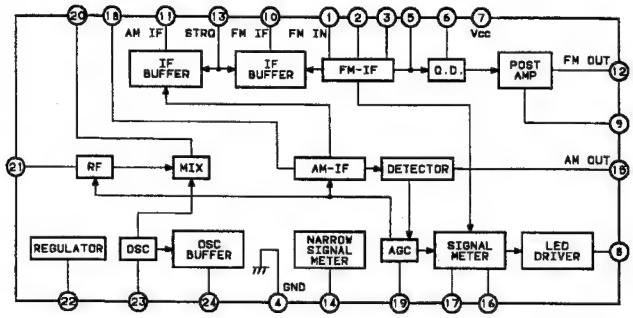


TC9214P BLOCK DIAGRAM

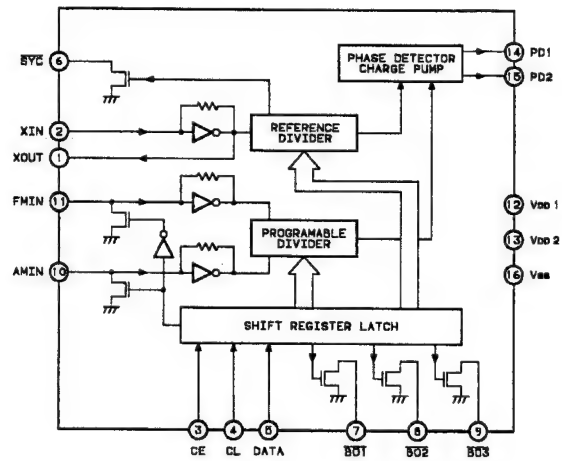


IC BLOCK DIAGRAM (Continued)

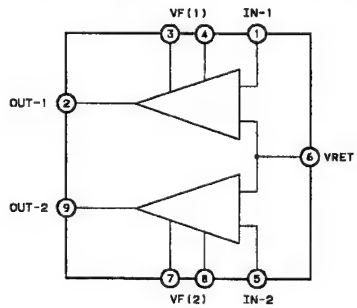
LA1266 BLOCK DIAGRAM



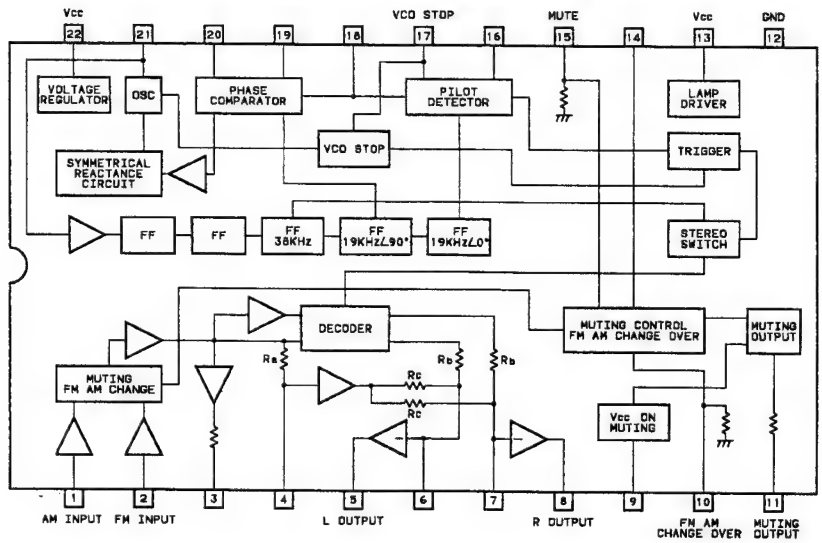
LM7001 BLOCK DIAGRAM



LA2500 BLOCK DIAGRAM

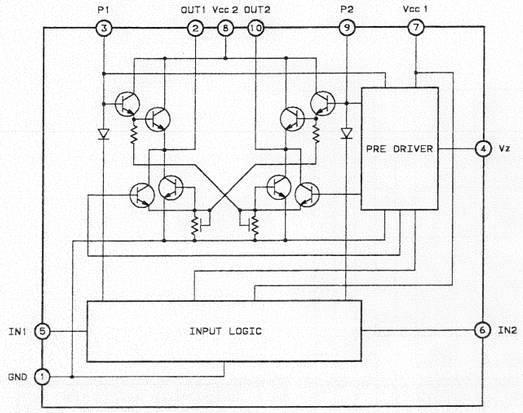


LA3401 BLOCK DIAGRAM

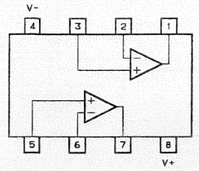


IC BLOCK DIAGRAM (Continued)

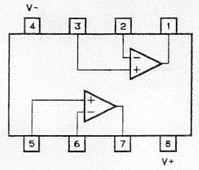
LB1641 BLOCK DIAGRAM



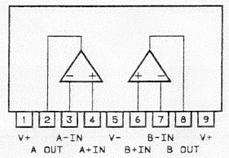
UPC4570C BLOCK DIAGRAM



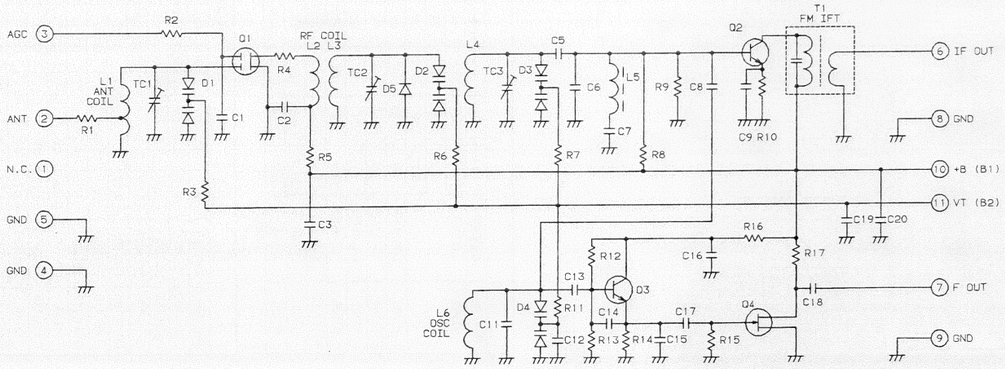
LA6462D BLOCK DIAGRAM



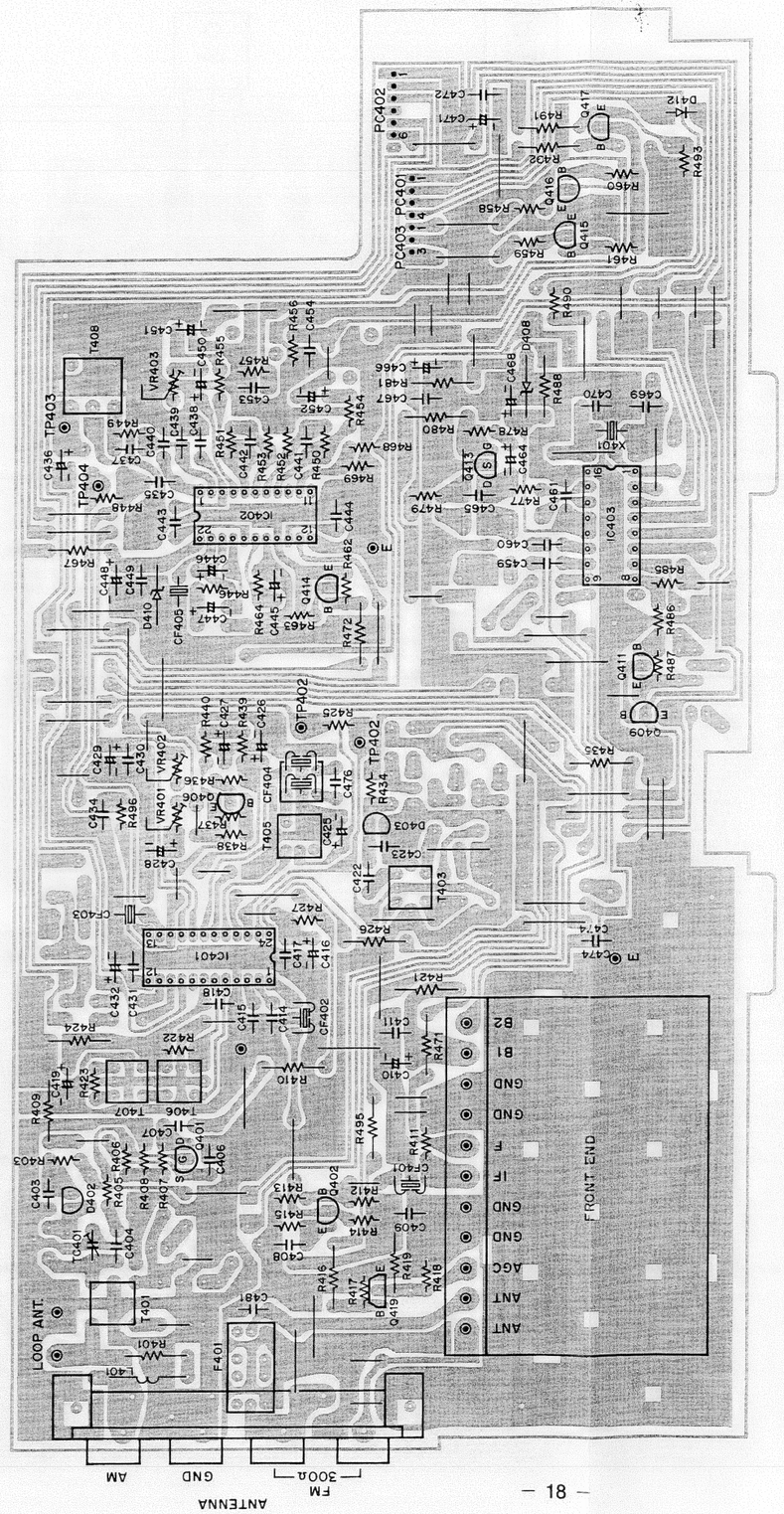
LA6458SS BLOCK DIAGRAM



FM FRONT END SCHEMATIC DIAGRAM



TUNER PRINTED CIRCUIT BOARD
(BOTTOM VIEW)



TRANSISTOR DC VOLTAGES

Ref. No.	DEVICE	B	C	E
Q402	2SC2839	1.7V	11.3V	1.0V
Q406	2SA608	0.8V	1.2V	0.3V
Q409	2SA1346	12.4V	0V	12.4V
Q411	2SC536	0.1V	12.4V	0V
Q414	2SC536	0.6V	0V	0V
Q415	2SC536	0.6V	0V	0V
Q416	2SC536	0.6V	0V	0V
Q417	2SA608	1.2V	1.6V	1.9V

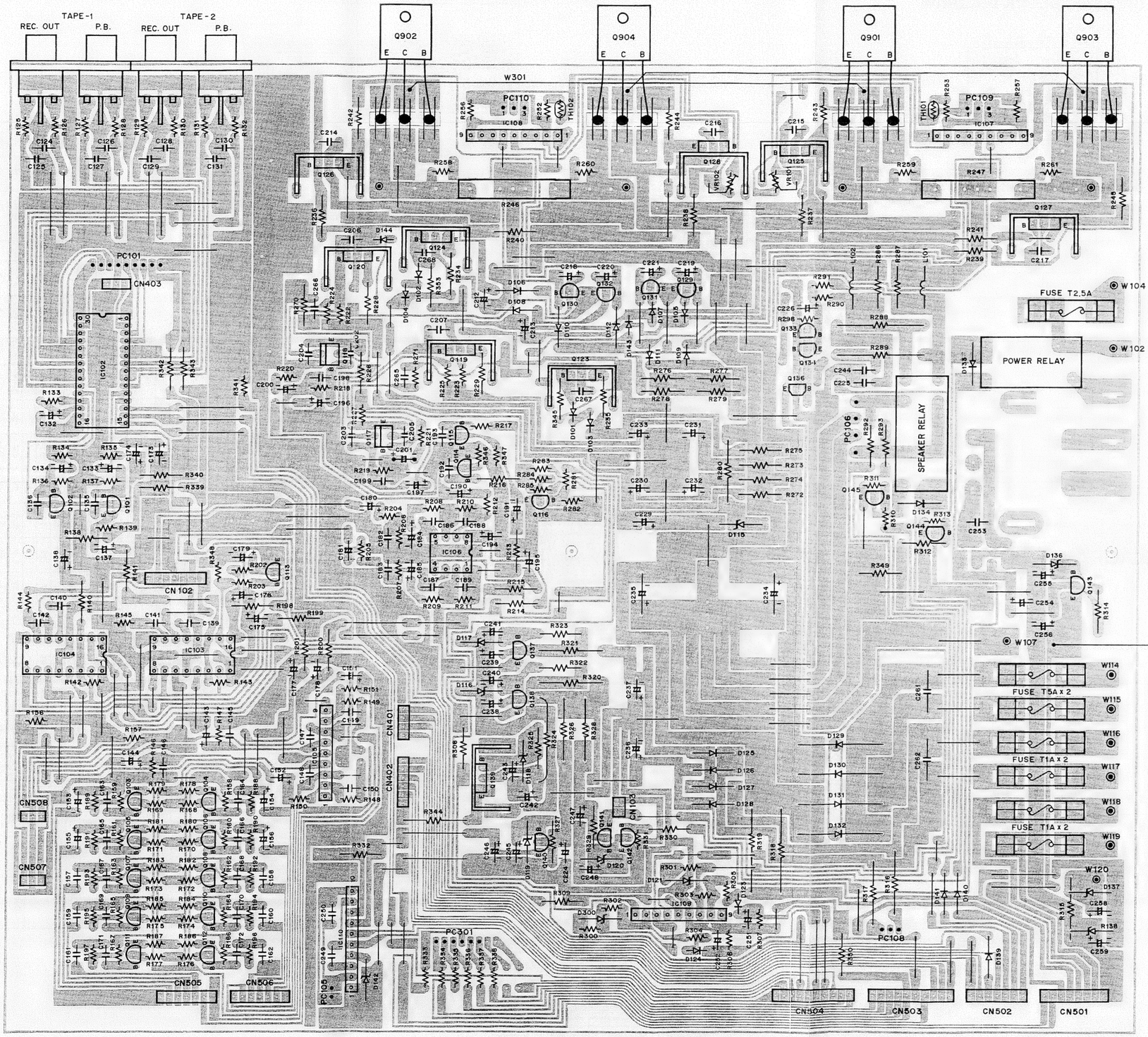
Ref. No.	DEVICE	D	G	S
Q401	2SK246	4.6V	2.8V	10.9V
Q413	2SK583	1.4V	0V	1.2V

IC PIN NUMBERS DC VOLTAGES

Ref. No.	DEVICE	1	2	3	4	5	6	7	8	9	10
IC401	LA1266	2.5V	2.5V	2.5V	0V	11.8V	11.7V	11.7V	0.2V	3.9V	2.4V
IC402	LA3401	21	22	23	24	25	26	27	28	29	30
		4.0V	4.0V	4.0V	3.1V	—	—	—	—	—	—
		3.2V	3.2V	3.3V	3.3V	6.4V	3.2V	3.2V	6.4V	3.2V	0V
		21	22	23	24	25	26	27	28	29	30
		3.4V	10.4V	—	—	—	—	—	—	—	—
IC403	LM7001	1.5V	1.5V	0V	0V	0V	0V	0V	0.1V	0V	0V

Ref. No.	DEVICE	11	12	13	14	15	16	17	18	19	20
IC401	LA1266	2.7V	3.1V	0V	1.5V	1.5V	0V	0V	2.5V	1.5V	0V
IC402	LA3401	31	32	33	34	35	36	37	38	39	40
		—	—	—	—	—	—	—	—	—	—
		0V	0V	5.5V	4.9V	0V	1.6V	2.9V	2.8V	2.9V	2.9V
		31	32	33	34	35	36	37	38	39	40
		—	—	—	—	—	—	—	—	—	—
IC403	LM7001	2.7V	5.0V	3.5V	0V	1.2V	0V	—	—	—	—

MAIN PRINTED CIRCUIT BOARD
(BOTTOM VIEW)



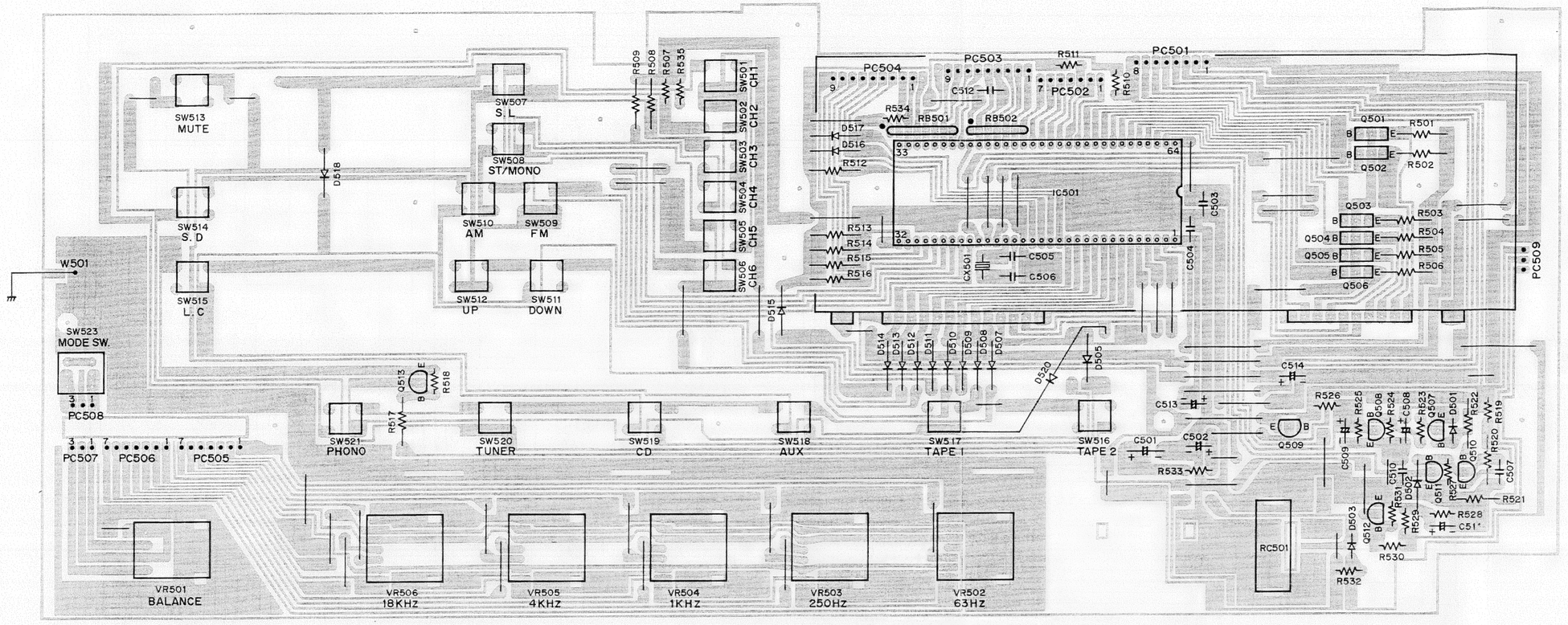
IC PIN NUMBERS DC VOLTAGES

Ref. No.	DEVICE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IC102	LC7821	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	0V	−15.8V	0V	0V	0V	0V	0V	15.9V	15.9V	0V
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
		0.1V	0V	0V	0V	0V	0V	0V	0V	0V	0V	—	—	—	—	—	—	—	—	—	—
IC103	TC9214P	0V	13.3V	0V	0V	0V	0V	13.3V	−13.5V	0V	0V	0V	0V	0V	0V	0V	13.5V	—	—	—	—
IC104	TC9214P	0V	13.3V	0V	0V	0V	0V	13.3V	−13.5V	0V	0V	0V	0V	0V	0V	0V	13.5V	—	—	—	—
IC105	LA6458S	0V	0V	0V	0V	0V	0V	13.3V	−13.5V	0V	0V	0V	0V	0V	0V	0V	13.5V	—	—	—	—
IC106	LA6462D	0V	0V	0V	−16.1V	0V	0V	0V	16.1V	—	—	—	—	—	—	—	—	—	—	—	—
IC107,108	LA2500	1.1V	0.3V	1.0V	1.0V	−1.0V	−1.0V	−0.5V	−0.5V	—	—	—	—	—	—	—	—	—	—	—	—
IC109	LA6458S	16.7V	−0.1V	0V	0V	−16.6V	0V	0V	−0.1V	16.7V	—	—	—	—	—	—	—	—	—	—	—
IC110	LB1641	0.5V	0.6V	13.2V	13.2V	0V	0V	0.8V	0.7V	0.5V	0V	—	—	—	—	—	—	—	—	—	—

TRANSISTOR DC VOLTAGES

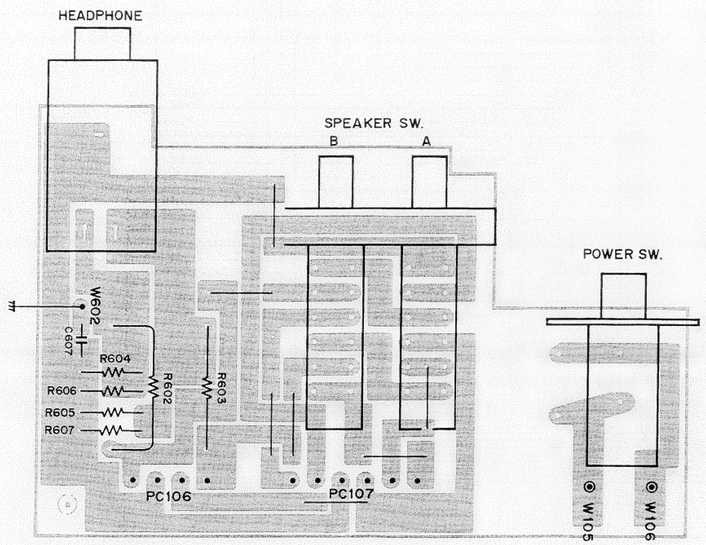
Ref. No.	DEVICE	B	C	E	Ref. No.	DEVICE	B	C	E
Q101,102	2SC3331	−0.7V	16.3V	−1.3V	Q123,124	2SC2911	−50.8V	−1.4V	−51.5V
Q103,104	2SC3331	−0.5V	13.4V	−1.1V	Q125,126	2SC3117	1.1V	52.5V	0.5V
Q105,106	2SC3331	−0.3V	13.4V	−0.9V	Q127,128	2SA1249	−1.0V	−52.5V	−0.5V
Q107,108	2SC536	−0.1V	13.4V	−0.7V	Q129	2SA608	0V	0V	0V
Q109,110	2SC536	0V	13.4V	0V	Q130	2SC536	0V	1.7V	0V
Q111,112	2SC536	0V	−0.2V	−0.7V	Q131	2SC536	0V	1.3V	0V
Q113	2SC536	0.6V	0V	0V	Q132	2SA608	0V	−1.4V	0V
Q114,115	2SC3792	−3.1V	0V	0V	Q133	2SC536	0V	4.8V	0V
Q116	2SC536	0.6V	0V	0V	Q134	2SC536	0V	4.8V	0V
Q117,118	2SC3066	−0.1V	50.9V	−0.6V	Q136	2SA1503	4.7V	0V	4.8V
Q119,120	2SA1209	50.8V	1.4V	51.7V	Q137	2SB560	−19.0V	−23.7V	−16.4V
Q121,122	2SC3331	−0.7V	16.3V	−1.3V	Q138	2SD438	19.0V	22.3V	18.4V
					Q139	2SD1913	15.0V	19.5V	14.4V
					Q140	2SD438	13.5V	23.1V	13.0V
					Q141	2SC536	5.7V	22.1V	5.1V
					Q142	2SC536	0V	5.7V	0V
					Q143	2SC536	6.6V	11.8V	6.0V
					Q144	2SC536	0.7V	0V	0V
					Q145	2SC536	0.7V	0V	0V
					Q701	2SD1682	12.4V	22.2V	11.8V
					Q901,902	2SC3280	0.5V	52.5V	0V
					Q903,904	2SA1301	−0.5V	−52.3V	0V

M-COM PRINTED CIRCUIT BOARD
(BOTTOM VIEW)

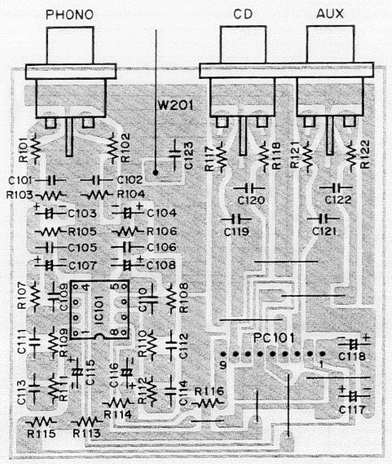


MOTOR P.C.BOARD
(BOTTOM VIEW)

POWER SW. P.C.BOARD
(BOTTOM VIEW)



INPUT P.C.BOARD
(BOTTOM VIEW)



IC PIN NUMBERS DC VOLTAGES

Ref. No.	DEVICE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
IC501	TMP47C870N	−29.6V	−15.9V	−19.3V	−13.1V	−19.7V	−18.8V	−16.3V	−22.3V	−15.7V	−22.3V	−15.6V	−19.1V	−29.2V	0V	0V	0V	5.0V	0V	2.6V	2.6V
		21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
		5.5V	5.2V	0V	0V	0V	0V	0V	0V	0V	0V	5.1V	0V	4.0V	0V	5.6V	5.5V	5.6V	5.6V	5.6V	0V
		41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
		6.2V	0V	5.6V	5.6V	0V	0V	0V	−29.4V	−29.3V	−29.3V	5.6V	5.5V	5.5V	−26.3V	−26.3V	−24.3V	−26.3V	−26.7V	−26.6V	−26.4V
		61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80
		−26.2V	−26.0V	−26.0V	5.6V	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−	−

TRANSISTOR DC VOLTAGES

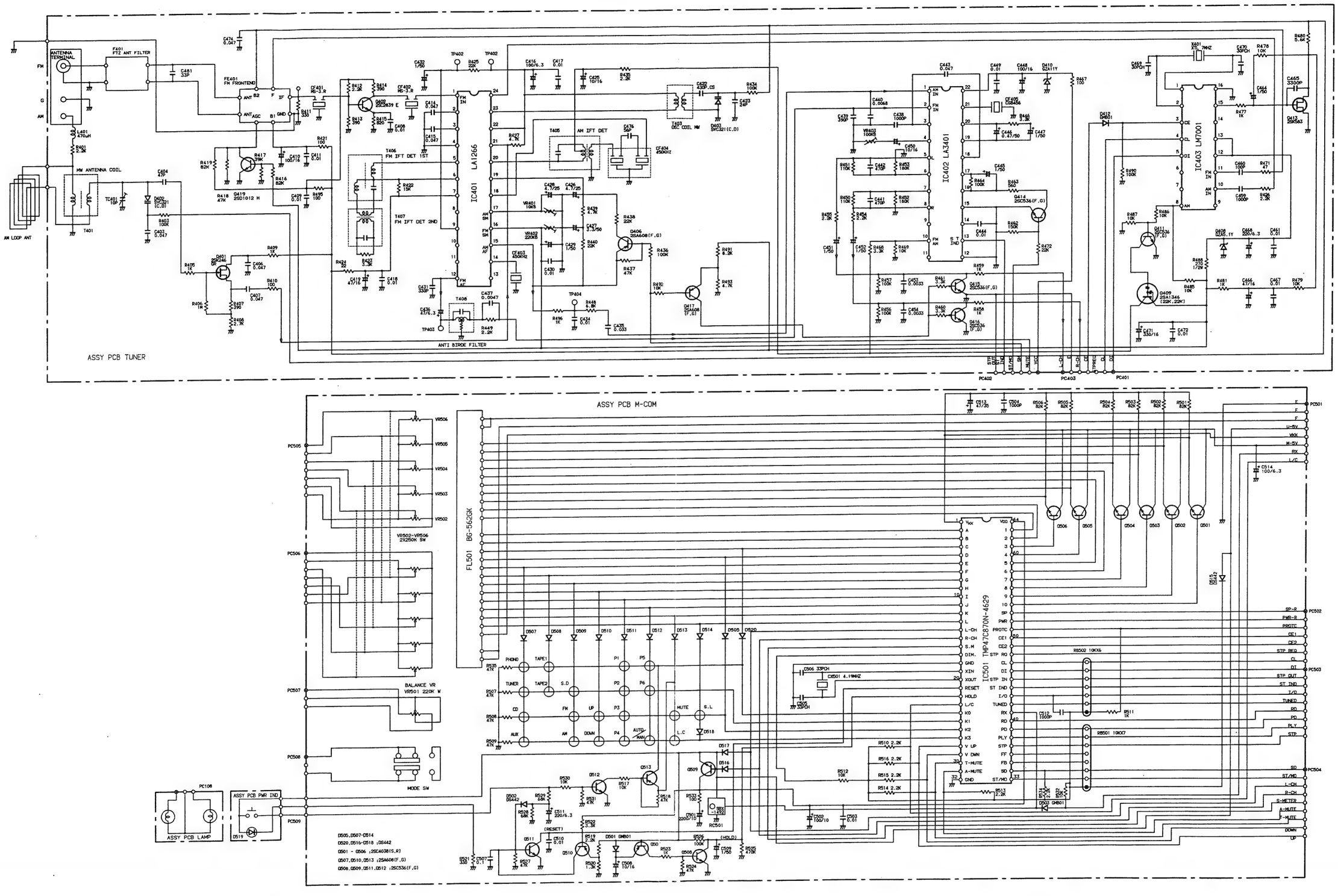
Ref. No.	DEVICE	B	C	E	Ref. No.	DEVICE	B	C	E
Q501	2SC2021	−26.3V	5.0V	−26.6V	Q508	2SC536	0V	5.2V	0V
Q502	2SC2021	−26.3V	5.0V	−26.5V	Q509	2SC536	6.3V	5.6V	6.3V
Q503	2SC2021	−26.3V	5.0V	−26.5V	Q510	2SA608	5.6V	0V	0V
Q504	2SC2021	−26.3V	5.0V	−26.5V	Q511	2SC536	0V	5.5V	0V
Q505	2SC2021	−26.3V	5.0V	−26.4V	Q512	2SC536	0V	4.8V	0V
Q506	2SC2021	−26.3V	5.0V	−26.4V	Q513	2SA608	4.9V	0V	4.9V
Q507	2SA608	6.3V	0V	0V					

IC PIN NUMBERS DC VOLTAGES

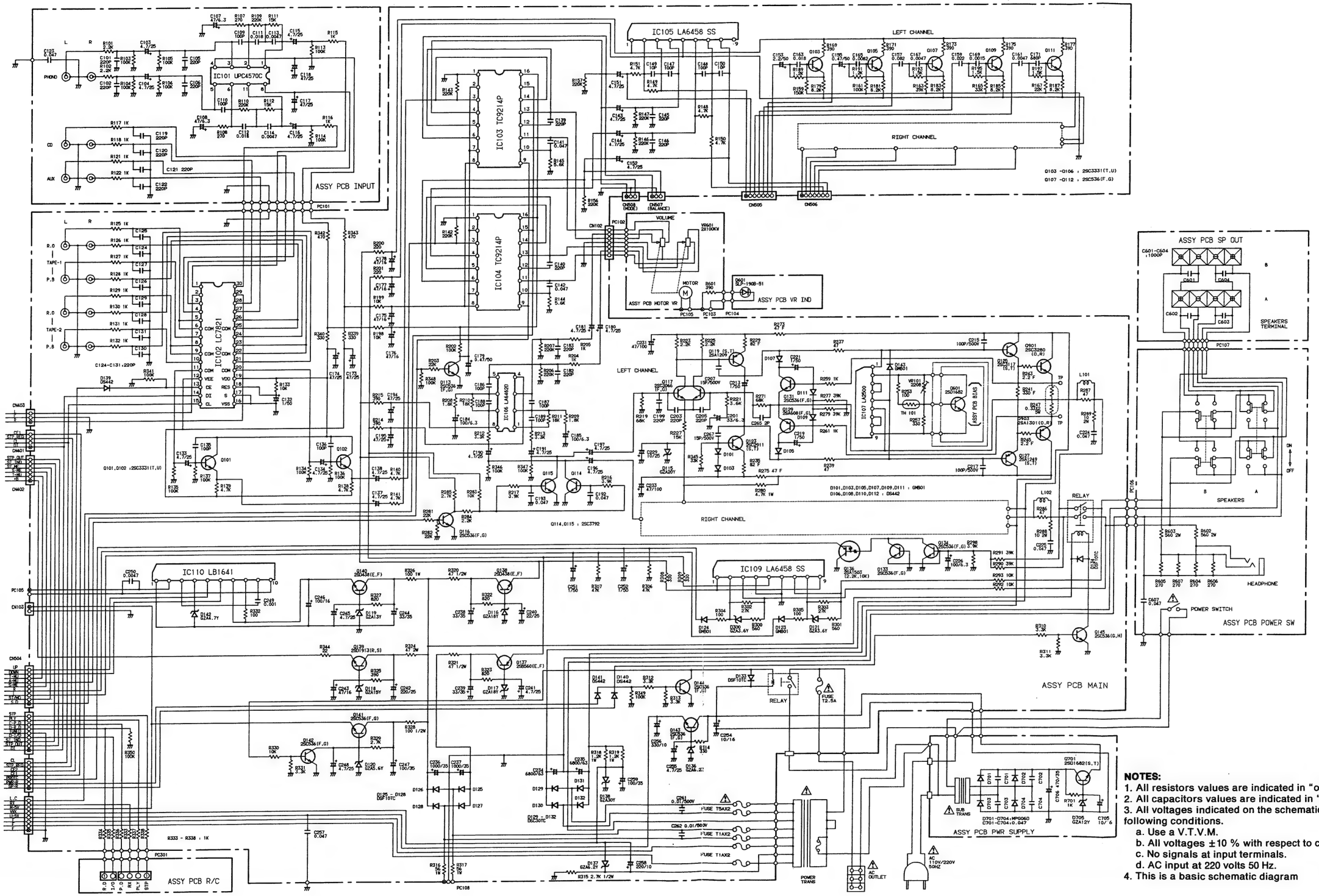
Ref. No.	DEVICE	1	2	3	4	5	6	7	8
IC101	LA6458	0V	0V	0V	−16.0V	0V	0V	0V	16.0V

FISH-00662 / DRUCK 3

SCHEMATIC DIAGRAM (1)



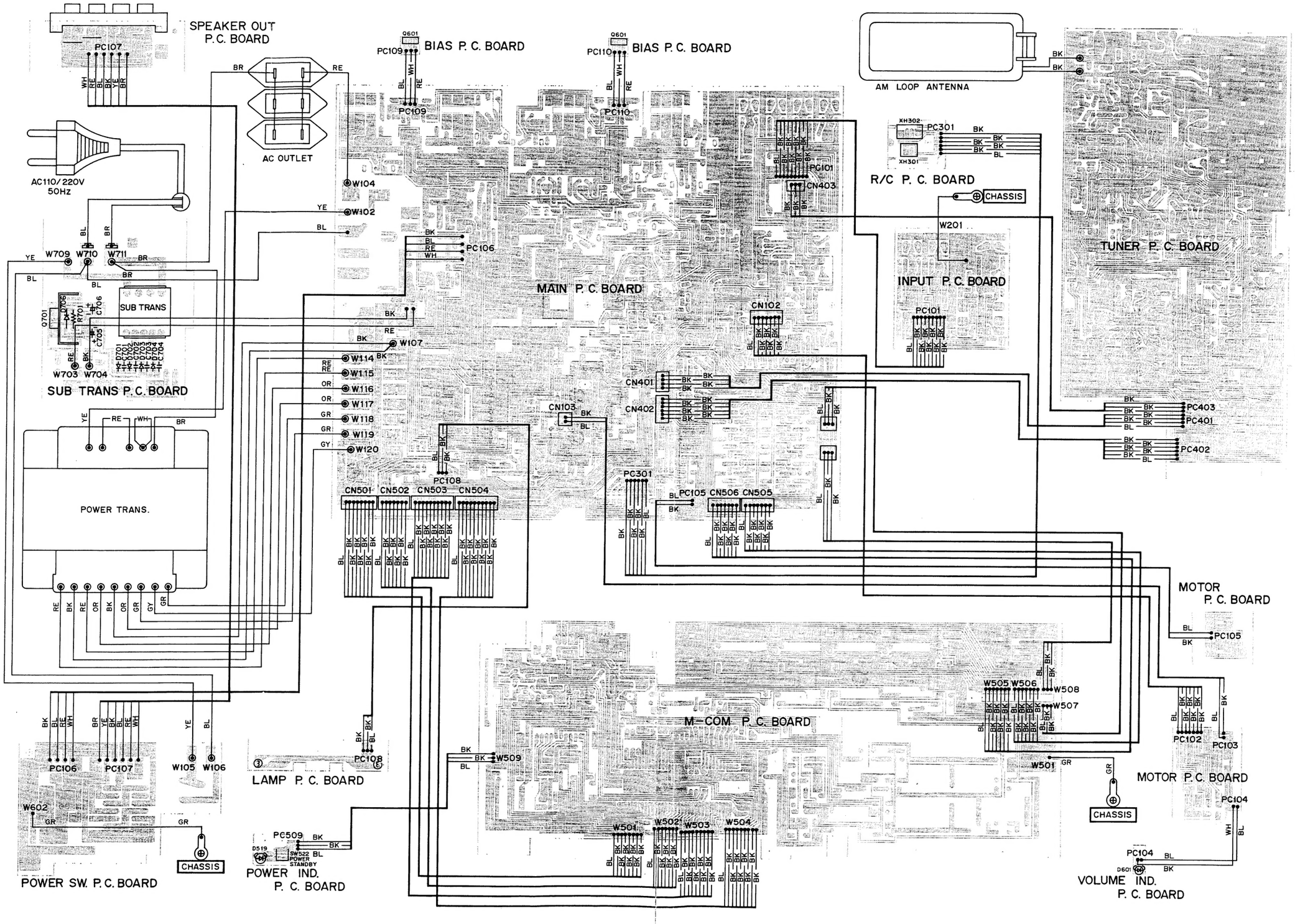
SCHEMATIC DIAGRAM (2)



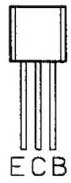
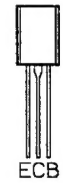
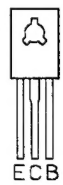
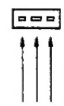
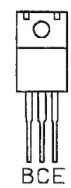
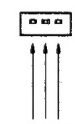
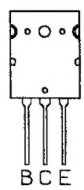
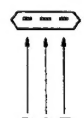
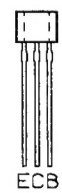
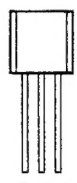
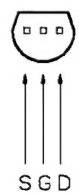
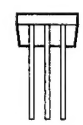
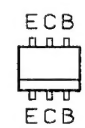
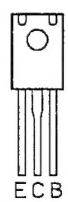
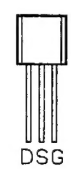
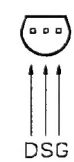
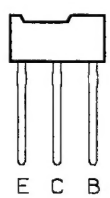
NOTES:

1. All resistors values are indicated in "ohm" ($K=10^3$, $M=10^6$).
2. All capacitors values are indicated in "μF" ($P=10^{-12}$).
3. All voltages indicated on the schematics are measured under the following conditions.
   a. Use a V.T.V.M.
   b. All voltages ±10 % with respect to chassis ground.
   c. No signals at input terminals.
   d. AC input at 220 volts 50 Hz.
4. This is a basic schematic diagram

POINT TO POINT WIRING DIAGRAM



IC & TRANSISTOR LEAD IDENTIFICATION

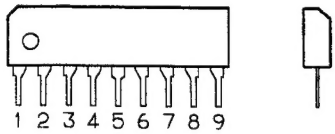
TRANSISTOR	FRONT VIEW	BOTTOM VIEW	TRANSISTOR	FRONT VIEW	BOTTOM VIEW
2SA608 2SC3331 2SC3792 2SC536			2SB560 2SD438		
2SA1209 2SA1249 2SC2911 2SC3117			2SD1913		
2SA1301 2SC3280			2SA1346 2SA1503 2SC2839 2SD1012		
2SK246			2SC3066		
2SD1682			2SK583		
2SC4038					

TERMINAL NAME

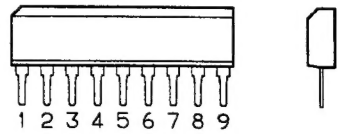
B → BASE	S → SOURCE
C → COLLECTOR	G → GATE
E → EMITTER	D → DRAIN

IC & TRANSISTOR LEAD IDENTIFICATION (Continued)

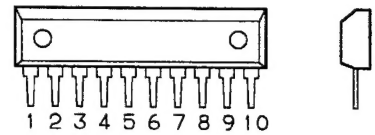
LA6458SS FRONT/SIDE VIEWS



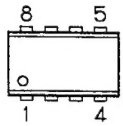
LA2500 FRONT/SIDE VIEWS



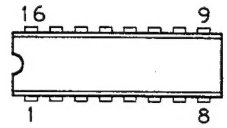
LB1641 FRONT/SIDE VIEWS



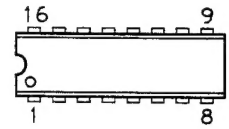
UPC4570C TOP VIEW
LA6462D TOP VIEW



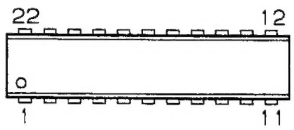
TC9214P TOP VIEW



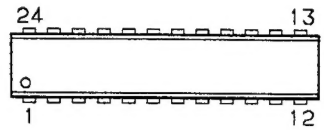
LM7001 TOP VIEW



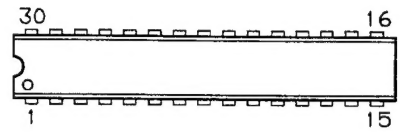
LA3401 TOP VIEW



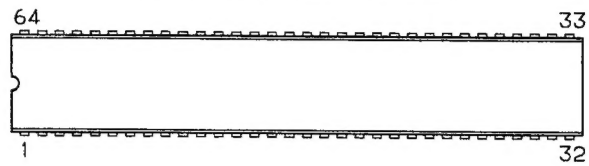
LA1266 TOP VIEW



LC7821 TOP VIEW



TMP47C870-4629 TOP VIEW



SANYO FISHER Vertriebs GmbH
Stahlgruberring 4
8000 München 82
Tel: 089/420 45-0
Tlx: 524033

SERVICE MANUAL

FISHER

AM/FM STEREO RECEIVER WITH RCA-9050 WIRELESS REMOTE CONTROL

RS-9040

(EUROPE)

132 351 45

The original service manual of model RS-9040 refrects the Black version only. This supplement is intended to add the Titan Gray version to the original service manual of WM-570409.

Ref.No.	RS-9040 (Black)	RS-9040 (Titan Gray)	Description	Q'ty
	PACKAGE			
	620 204 0479	620 212 4957	Outer Carton	1
	ACCESSORIES			
	620 209 1570	620 212 5206	Label,Barcode	1
	CABINET			
6	620 204 0455	620 212 4810	Assy,Cabinet	1
7	620 198 6969	620 212 3943	Assy,Foot	4
12	620 198 0769	620 212 4858	Knob,Rotary,Volume	1
13	620 198 0776	620 212 4865	Knob,Rotary	6
14	620 198 6938	620 212 4872	Knob,Power	1
15	620 198 0721	620 212 4889	Button,REC	1
17	620 198 0745	620 212 4902	Button,Stand BY	1
18	620 198 0752	620 212 4919	Button,Push	2
19	620 199 3189	620 212 4926	Button,Push	1
20	620 198 6983	– – – –	Foot	2
33	620 045 4711	620 212 4940	Cover	1

Add this sheet Model RS-9040 Service Manual (WM-570409).

FISHER Hi-Fi Europa Vertriebs GmbH
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8000 München 82 Tlx: 524033

REFERENCE No. WM-570679